

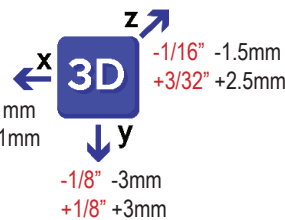
3D INVISIBLE HINGES

MAIN FEATURES

- » Zinc Alloy manufactured for Oxidation Resistance
- » Durable Galvanized Steel Covers to conceal the screws
- » Used for Wood and Hollow Metal Doors
- » **Easy 3D Adjusting System**
- » Easy Installation and Maintenance Free
- » Complete Reversibility (same slot on the door and the frame)
- » Total Recessed Hinge Body (door and frame gap is very small)
- » Internal milling up to $\frac{3}{8}$ " (10mm) from the edge
- » **European Standard EN1634-1 for 60-Minute Fire Doors**
- » **CE Certified for 200,000 Opening / Closing Cycles**
- » **100% Made in Italy**
- » Elegant minimalistic design that is available in
US1, US4, US10B, US14, US15, US26, US26D
and **US28** finishes with no visible screws



EN 1634-1
EI-60



CR3D81

Dimensions: $5 \frac{1}{8}$ " x $1 \frac{3}{16}$ "
(130 x 30 mm)

TECHNICAL SPECIFICATIONS:

180° Fluid Opening

$1 \frac{3}{8}$ " to 2" (35 to 50mm) door thickness

Overall Length: $5 \frac{1}{8}$ " (130mm)

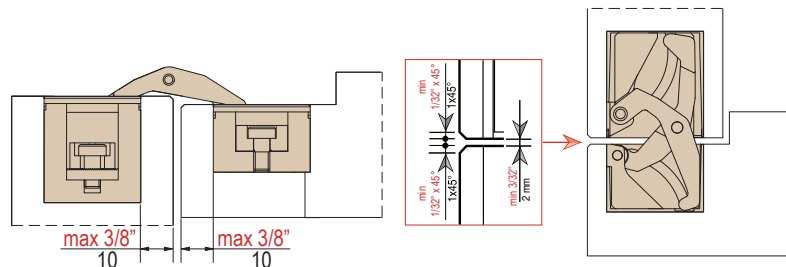
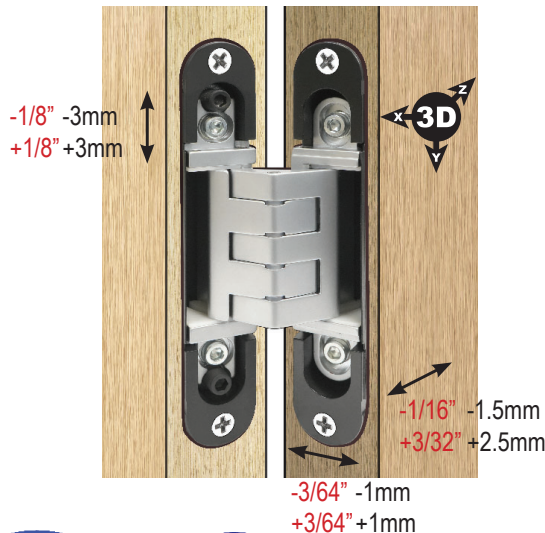
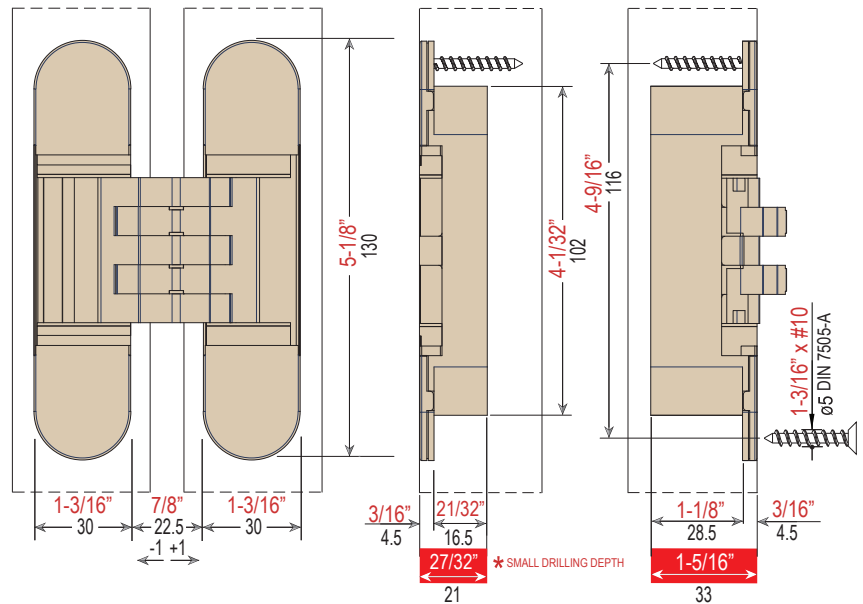
Width (frame part): $1 \frac{3}{16}$ " (30mm)

Width (door part): $1 \frac{3}{16}$ " (30mm)

Depth: $\frac{13}{16}$ " (21mm) & $1 \frac{5}{16}$ " (33mm)

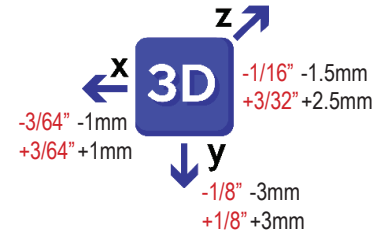
Load Capacity: 3 or 4 Hinges - 80kg (176lbs)
2 Hinges - 60kg (132lbs)

Fire Proof Min. : EI-60'

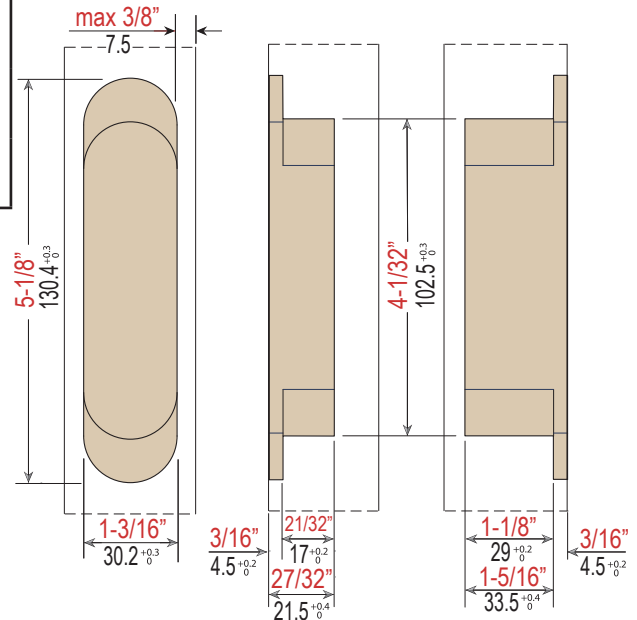
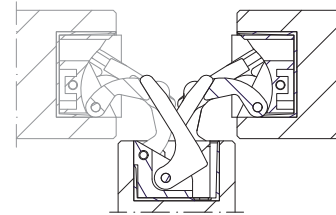


2 HINGES LOAD CAPACITY CHART (kg / lbs)								
DOOR HEIGHT (mm / in)	2200 86 5/8"	60 132	60 132	60 132	59 130	51 112	46 101	42 93
	2100 82 11/16"	60 132	60 132	60 132	55 121	48 106	44 97	40 88
	2000 78 3/4"	60 132	60 132	60 132	51 112	46 101	42 93	39 86
	1900 74 13/16"	60 132	60 132	55 121	48 106	43 95	40 88	38 84
DOOR WIDTH (mm / in)								
		700 27 9/16"	800 31 1/2"	900 35 7/16"	1000 39 3/8"	1100 43 5/16"	1200 47 1/4"	1300 51 3/16"

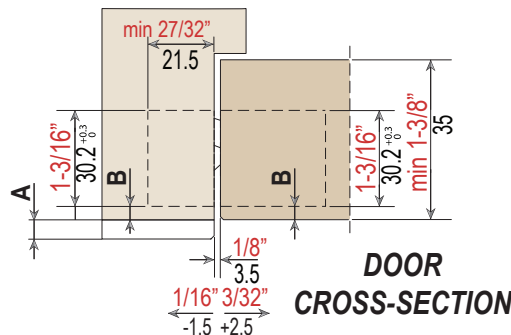
3 HINGES LOAD CAPACITY CHART (kg / lbs)								
DOOR HEIGHT (mm / in)	3000 118 1⁄8"	80 176	80 176	80 176	80 176	80 176	80 176	80 176
	2900 114 5⁄32"	80 176	80 176	80 176	80 176	80 176	80 176	80 176
	2800 110 1⁄4"	80 176	80 176	80 176	80 176	80 176	80 176	75 165
	2700 106 5⁄16"	80 176	80 176	80 176	80 176	80 176	80 176	71 157
	2600 102 3⁄8"	80 176	80 176	80 176	80 176	80 176	76 168	67 148
	2500 98 7⁄16"	80 176	80 176	80 176	80 176	80 176	71 157	64 141
	2400 94 1⁄2"	80 176	80 176	80 176	80 176	77 170	67 148	61 134
	2300 90 9⁄16"	80 176	80 176	80 176	80 176	72 159	64 141	58 128
	2200 86 5⁄8"	80 176	80 176	80 176	78 172	67 148	60 132	56 123
	2100 82 11⁄16"	80 176	80 176	80 176	72 159	63 139	57 126	54 119
2000 78 3⁄4"	80 176	80 176	80 176	67 148	60 132	55 121	52 115	
4 HINGES SUGGESTED								



Reversible for doors from:
1 3/8" (35mm) to 2" (50mm)



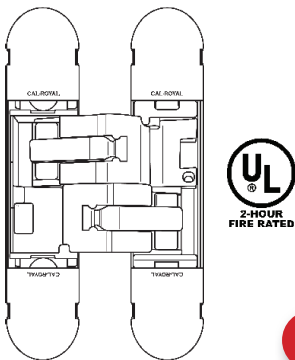
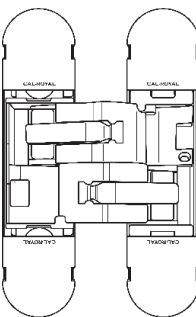
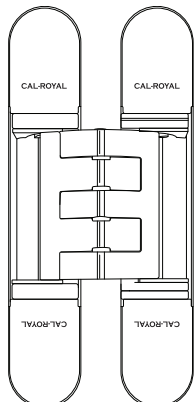
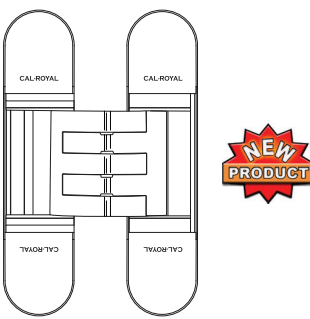
SLOT MEASUREMENT



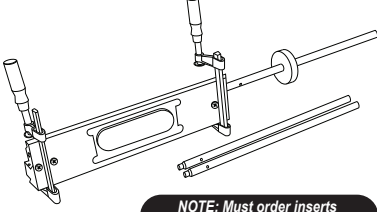
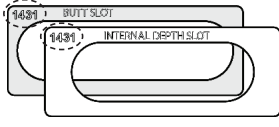
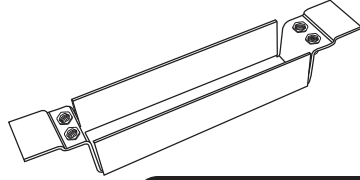
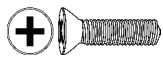
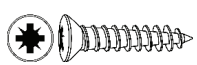
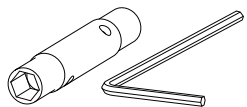
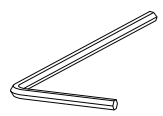
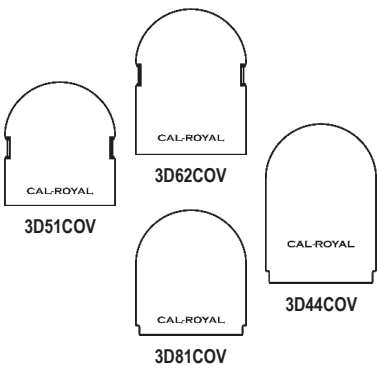
DOOR CROSS-SECTION

A	B
0.61" (15.5mm)	0.10" (2.5mm)
0.57" (14.5mm)	0.12" (3mm)
0.53" (13.5mm)	0.14" (3.5mm)
0.49" (12.5mm)	0.16" (4mm)
0.45" (11.5mm)	0.18" (4.5mm)
0.41" (10.5mm)	0.20" (5mm)
0.37" (9.5mm)	0.22" (5.5mm)

3D INVISIBLE HINGES Series List PriceNOTE: STOCK ITEM, FINISH SHADED & IN BOLD.
NON-STOCK FINISHES AVAILABLE AS SPECIAL ORDER.

ILLUSTRATION	ITEM#	DESCRIPTION	FINISH	LIST PRICE EACH	BOX QTY	CASE QTY	
	CR3D62	UL Listed, 3D Adjustable Concealed Hinge Dimensions: 6 5/16" x 1 1/4" (CR3D62, UL LISTING APPLICABLE ONLY FOR USE ON WOOD / COMPOSITE TYPE DOORS)	CE	US1	\$115.76	3	18
			CE	US4	137.03		
			CE	US10B	121.67		
			CE	US14	89.78		
			CE	US15	133.48		
			CE	US26	137.03		
			CE	US26D	121.67		
			CE	US28	107.49		
	CR3D51	3D Adjustable Concealed Hinge Dimensions: 5 1/8" x 1 3/16" CR3D51 AVAILABLE WHILE SUPPLIES LAST	CE	US1	83.87	6	30
			CE	US4	99.23		
			CE	US10B	80.33		
			CE	US14	63.79		
			CE	US15	94.50		
			CE	US26	99.23		
			CE	US26D	80.33		
			CE	US28	68.51		
	CR3D44	3D Adjustable Concealed Hinge Dimensions: 7 3/32" x 1 1/4"	CE	US1	104.80	2	10
			CE	US10B	109.49		
			CE	US15	131.15		
			CE	US28	101.87		
 (Replacement of CR3D51)	CR3D81	3D Adjustable Concealed Hinge Dimensions: 5 1/8" x 1 3/16"	CE	US1	83.87	3	15
			CE	US4	99.23		
			CE	US10B	80.33		
			CE	US14	63.79		
			CE	US15	94.50		
			CE	US26	99.23		
			CE	US26D	80.33		
			CE	US28	68.51		

3D INVISIBLE HINGES Accessories List Price

ILLUSTRATION	ITEM#	DESCRIPTION	FINISH	LIST PRICE EACH	BOX QTY
 NOTE: Must order inserts when ordering drilling template	3D-DT	3D Hinge Drilling Template for CR3D62, CR3D51, CR3D81 Hinges	Zinc Dichromate	\$342.56	1
	3D-DT2	3D Hinge Drilling Template for CR3D44 only		496.17	
 The reference is printed on the template and the code is printed on the same side of the inserts. 1131 - for CRD62 hinge models 1230 - for CR3D51 & CR3D81 hinge models 1431 - for CR3D44 hinge models	3D-62TI	CR3D62 Inserts for Drilling butt and internal depth slots Template	Aluminum	47.25	1 (sold per set)
	3D-51TI	CR3D51 & CR3D81 Inserts for Drilling butt and internal depth slots Template			
	3D-44TI	CR3D44 Inserts for Drilling butt and internal depth slots Template		67.20	
 NOTE: Must order machine screws when ordering metal receiver	3D62-MTR	CR3D62 Metal Door Receiver	Zinc Dichromate	31.89	1
	3D51-MTR	CR3D51 Metal Door Receiver			
	3D44-MTR	CR3D44 Metal Door Receiver		44.53	
	3D81-MTR	CR3D81 Metal Door Receiver		31.89	
	3D-MSCREWS	3D Hinge Machine Screws Size: 10-32 x 3/4", #9	Zinc Dichromate	0.30	1
	3D-SCREWS	Extra Mounting Screws Size: 1 3/16" x #10	Zinc Dichromate	0.14	12 pcs / bag
	3D62-ATK	Adjustment Tool Kit for CR3D62	Zinc Dichromate	5.32	1
	3D51-ATK	Adjustment Tool Kit for CR3D51			
	3D44-ATK	Adjustment Tool Kit for CR3D44	Zinc Dichromate	5.32	1
	3D81-ATK	Adjustment Tool Kit for CR3D81			
 3D51COV, 3D62COV, 3D44COV, 3D81COV	3D62COV	Extra Covers for CR3D62	US1, US4, US10B, US14, US15, US26, US26D, US28	5.32	1
	3D51COV	Extra Covers for CR3D51			
	3D44COV	Extra Covers for CR3D44	US1, US10B, US15, US28	10.79	1
	3D81COV	Extra Covers for CR3D81	US1, US4, US10B, US26D	5.32	