

PALOMA[®]
ITALY

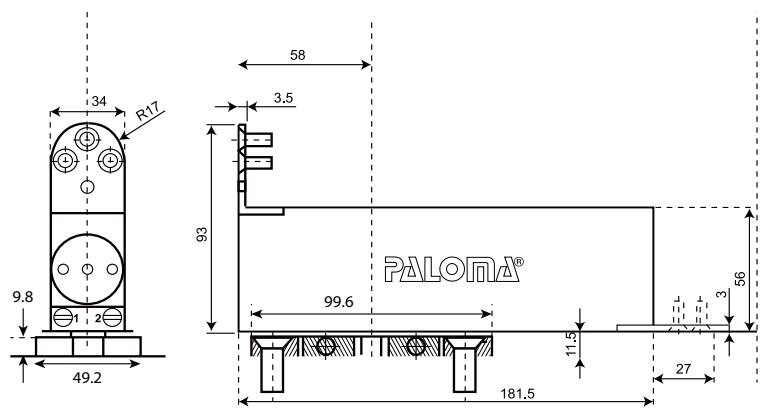
INVISIBLE SERIES

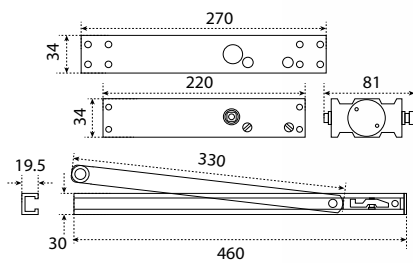




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STRONG PRECISE CONSTRUCTION





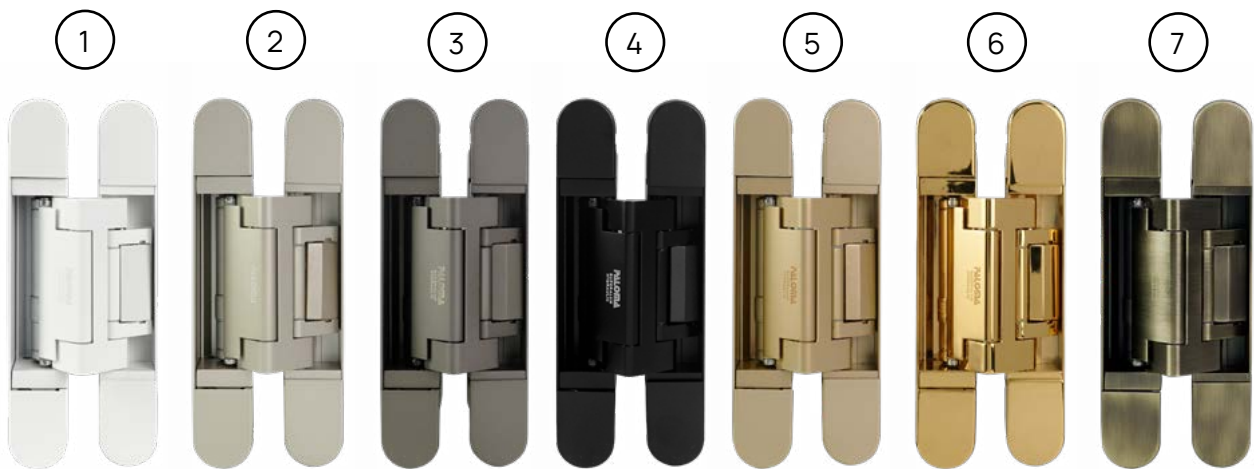
INVISIBLE HINGE





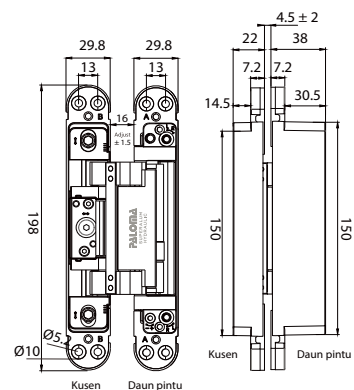


CONCEALED HINGE HYDRAULIC



HYDRAULIC HINGE

No.	Code Hydraulic	FINISHING
1.	IHP 9302HMW	MATTE WHITE
2.	IHP 9302HSL	SILVER PEARL
3.	IHP 9302HGM	GUNMETAL PEARL
4.	IHP 9302HMB	MATTE BLACK
5.	IHP 9302HCG	CHAMPAGNE GOLD PEARL
6.	IHP 9302HLG	LUXURY GOLD
7.	IHP 9302HAB	ANTIQUE BRASS



No.	Code Dummy	FINISHING
1.	IHP 9302DMW	MATTE WHITE
2.	IHP 9302DSL	SILVER PEARL
3.	IHP 9302DGM	GUNMETAL PEARL
4.	IHP 9302DMB	MATTE BLACK
5.	IHP 9302DCG	CHAMPAGNE GOLD PEARL
6.	IHP 9302DLG	LUXURY GOLD
7.	IHP 9302DAB	ANTIQUE BRASS

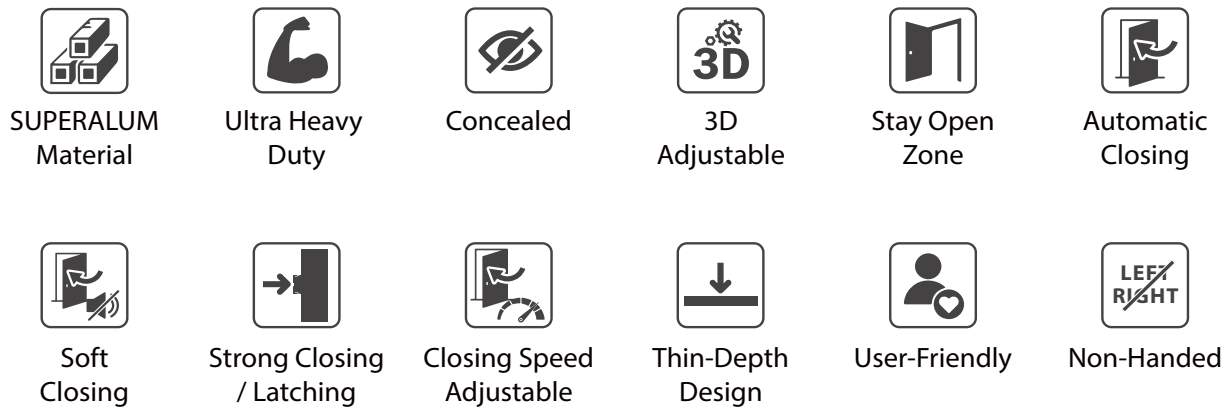


SUITABLE FOR
ALL TYPES OF
WOODEN DOORS,
ESPECIALLY
CAMOUFLAGE
DOORS

Max Door Weight	: 80 kg / 2 pcs 100kg / 3 pcs
Max Door Width	: 1000 mm
Max Door Opening	: 170°
Door Thickness	: 40 mm - 65 mm

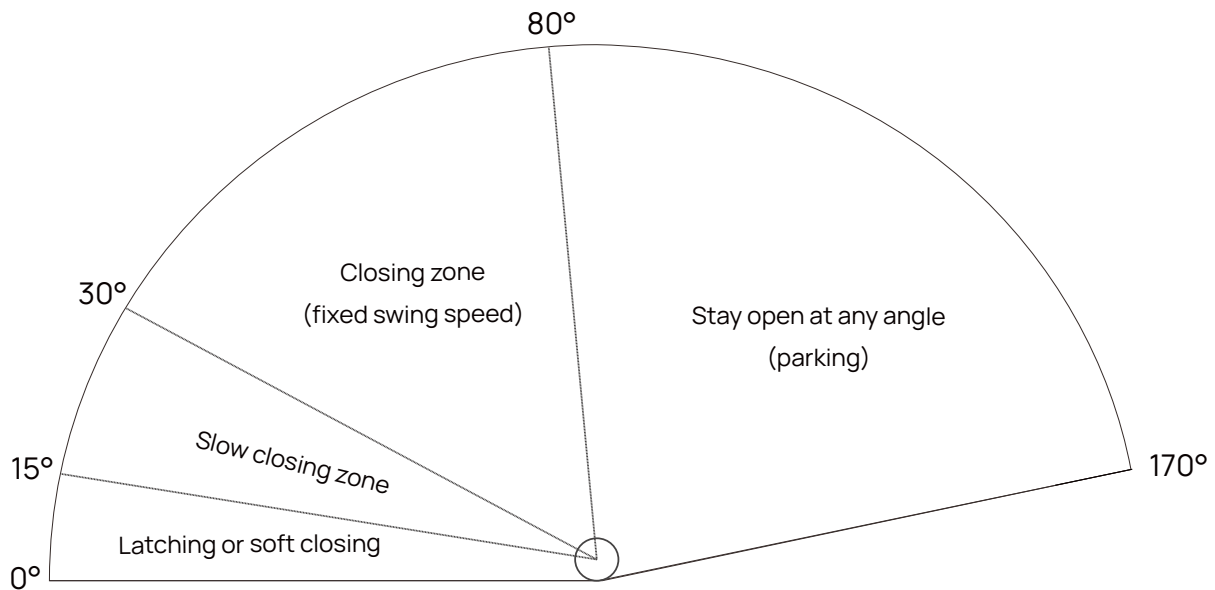
Posisi pintu dapat diatur:

- Atas - bawah ± 2.5 mm (total 5 mm)
- Kanan - kiri ± 2 mm (total 4 mm)
- Maju - mundur ± 1.5 mm (total 3 mm)



ADVANTAGES

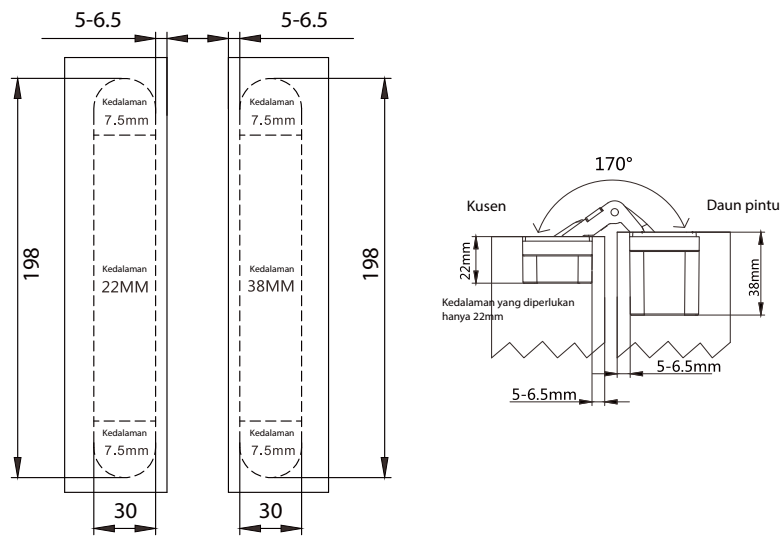
- Berfungsi sebagai engsel dan door closer (penutup pintu otomatis) dalam satu produk.
- Material SUPERALUM dan mekanis hydraulic kualitas terbaik, stabil dalam menopang beban berat dengan gerakan yang halus dan senyap. Dirancang untuk penggunaan jangka panjang.
- Desain tersembunyi (concealed), tidak ada bagian engsel yang terlihat baik dari sisi dalam maupun sisi luar ruangan ketika pintu ditutup.
- Solusi untuk desain pintu dengan engsel dan door closer yang tidak terlihat.
- Cocok untuk semua jenis pintu kayu, terutama pintu kamuflase.
- Desain ramping dan inovatif, body engsel yang ditanam ke kusen hanya sedalam 22mm, sehingga tampilan kusen tetap ramping dan minimalis (vs produk lain di pasaran minimal 32mm pada sisi kusen).
- Body engsel yang ditanam ke dalam daun pintu hanya 38mm, mempercepat dan memudahkan pemasangan, serta mencegah kerusakan daun pintu akibat lubang yang terlalu dalam (vs produk lain di pasaran mencapai 132mm ke dalam daun pintu).
- Non-handed, dapat digunakan pada pintu bukaan kanan atau kiri. Mencegah kesalahan pembelian dan pemasangan karena tidak memiliki tipe kanan atau kiri.



PRODUCT GUIDE

- User-friendly untuk anak-anak dan lansia. Ketika pintu dibuka, semakin besar sudut bukaan, akan terasa semakin ringan. Ini adalah kebalikan dari door closer di mana semakin besar pintu dibuka, akan terasa semakin berat.
- Ketika pintu dibuka di atas 80°, pintu dapat digerakkan dengan bebas dan akan berhenti (parking / stay open) di sudut bukaan berapapun mulai dari 80° hingga 170°.
- Ketika pintu hendak ditutup, cukup dorong ke sudut 80° maka fungsi door closer akan otomatis aktif dan pintu akan mulai menutup.
- Closing speed dapat diatur secara gradual, mulai dari sangat lambat (soft closing), hingga cepat (latching function).
- Soft closing berguna untuk pintu yang tidak memiliki latch (tanpa lidah konvensional maupun lidah roller), sehingga pintu dapat tertutup rapat secara senyap.
- Latching function berguna untuk pintu yang memiliki latch, memberikan dorongan yang lebih kuat untuk melawan resistensi yang diciptakan oleh latch (ataupun tekanan udara) sehingga pintu dapat tertutup rapat.
- Bukaan pintu maksimal 170°, mencegah pintu atau handle menabrak dinding jika tidak menggunakan door stopper.

TEMPLATE DRILL (mm)



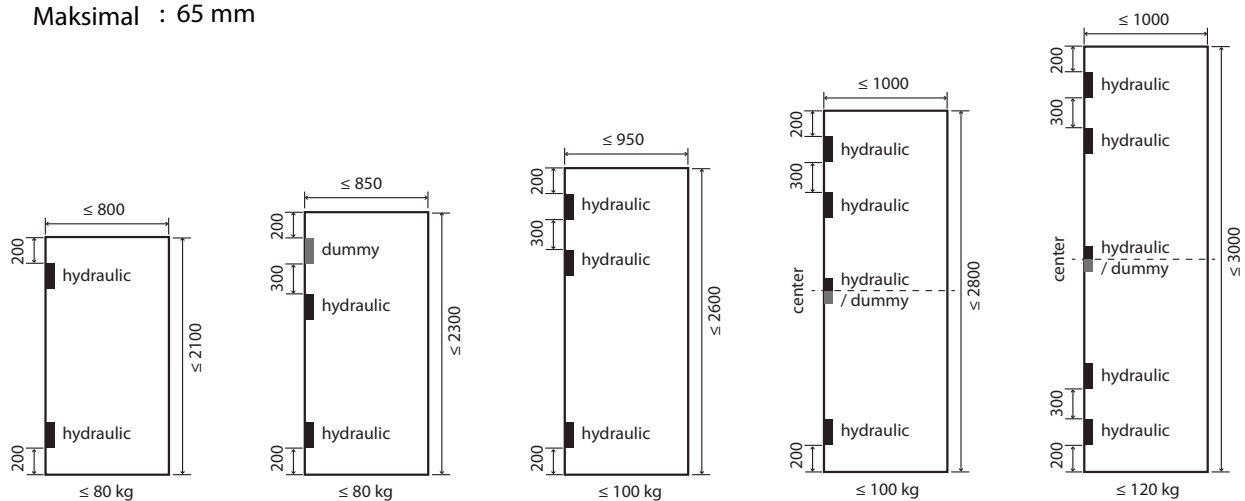
APPLICATION BASED ON DOOR HEIGHT

Berat Pintu	Tinggi Pintu (mm)	Lebar Pintu (mm)	Jumlah Engsel	Rekomendasi Upgrade atau Area Publik
≤ 80 kg	≤ 2100	≤ 800	2 hydraulic	2 hydraulic + 1 dummy
	≤ 2300	≤ 850	2 hydraulic + 1 dummy	3 hydraulic
≤ 100 kg	≤ 2600	≤ 950	3 hydraulic	3 hydraulic + 1 dummy
	≤ 2800	≤ 1000	3 hydraulic + 1 dummy	4 hydraulic
≤ 120 kg	≤ 3000	≤ 1000	4 hydraulic + 1 dummy	5 hydraulic

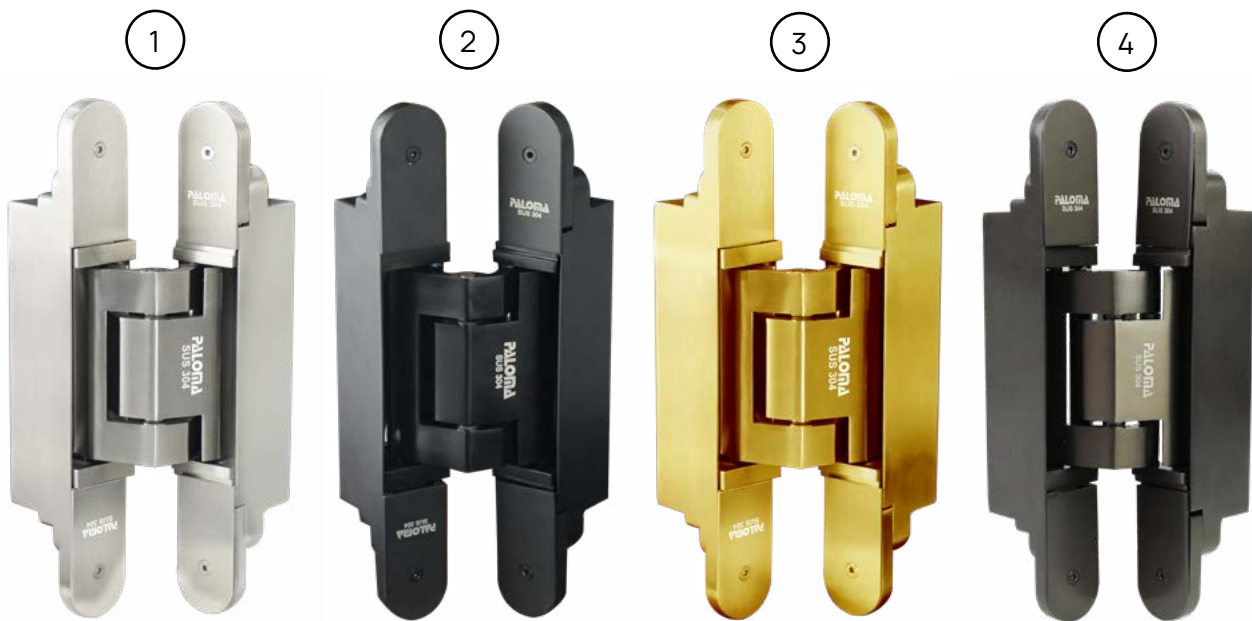
Tebal Pintu

Minimal : 40 mm

Maksimal : 65 mm

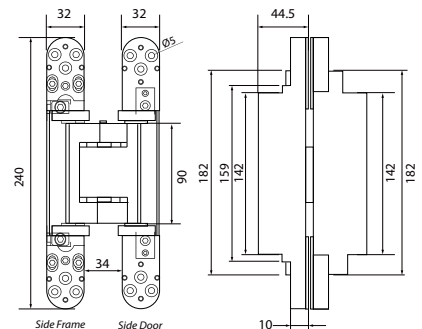


INVISIBLE HINGE P200N



No.	Code	FINISHING
1.	IHP 331	SSS
2.	IHP 332	SATIN BLACK
3.	IHP 333	SATIN GOLD
4.	IHP 334	GUNMETAL

Max Door Weight	: 200 kg / 2 pcs 240kg / 3 pcs
Max Door Width	: 960 mm
Max Door Opening	: 180°
Door Thickness	: 45 mm - 60 mm



SUITABLE FOR
ALUMINIUM,
WOOD OR METAL
DOORS & FRAMES

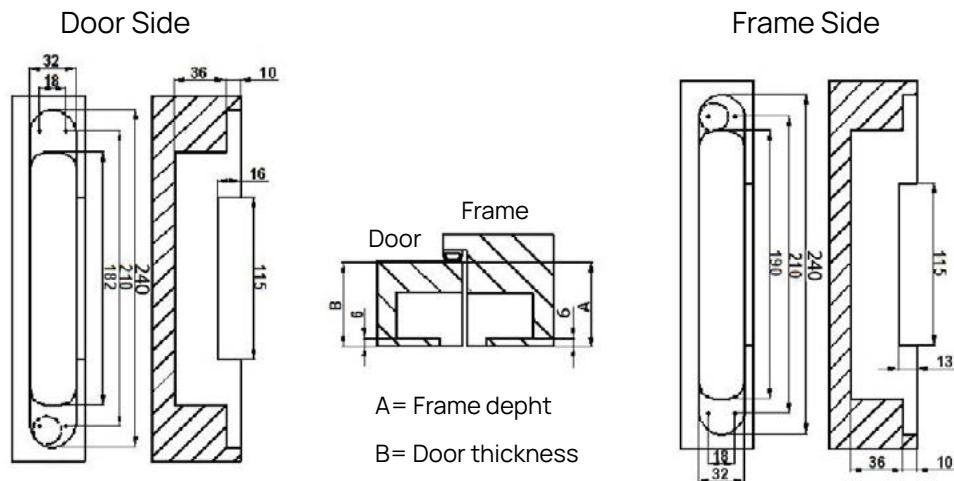
FEATURES

- Full stainless steel SUS 304 material
- Rust & corrosion resistant
- Strong precise construction
- Ultra heavy duty
- 25 years mechanical warranty

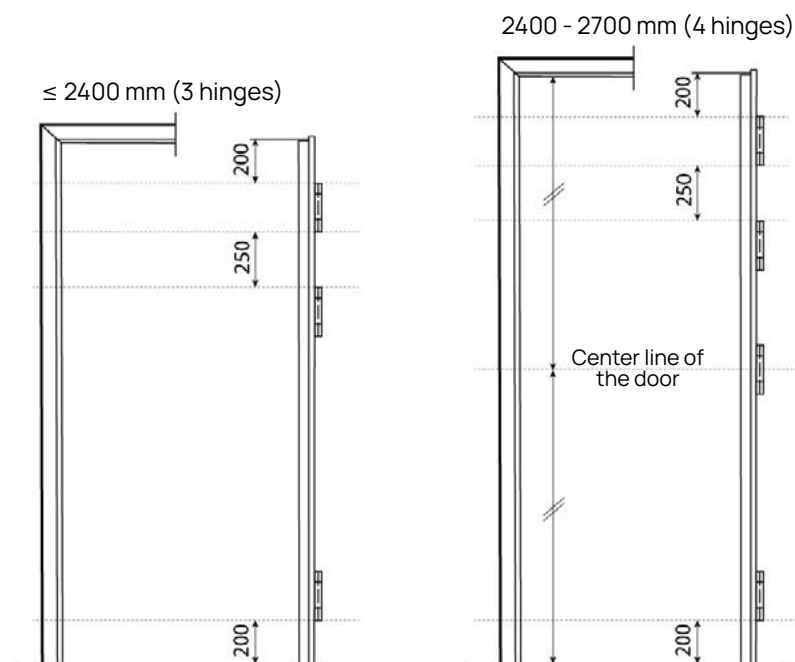
Posisi pintu dapat diatur:

- Atas - bawah ± 3 mm (total 6 mm)
- Kanan - kiri ± 2 mm (total 4 mm)
- Maju - mundur ± 2 mm (total 4 mm)

TEMPLATE DRILL (mm)



APPLICATION BASED ON DOOR HEIGHT



Engsel ke 3 menambah 25% berat kapasitas 2 engsel.

Engsel ke 4 menambah 20% dari total kapasitas 2 engsel.

Contoh: Penggunaan engsel 200 kg per pair

2 engsel: 200 kg

3 engsel: 200 kg + 50 kg = 250 kg

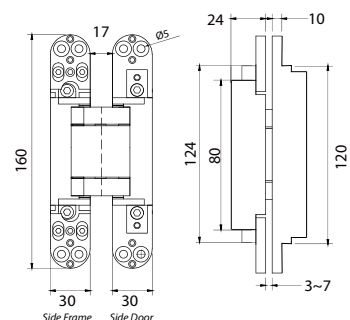
4 engsel: 200 kg + 50 kg + 40 kg = 290 kg

INVISIBLE HINGE P100



No.	Code	FINISHING
1.	IHP 311	SSS
2.	IHP 312	SATIN BLACK
3.	IHP 313	PVD SATIN GOLD

Max Door Weight	: 100 kg / 2 pcs
Max Door Width	: 900 mm
Max Door Height	: 2400 mm (3 pcs) 2700 mm (4 pcs)
Max Door Opening	: 165°
Door Thickness	: 40 mm - 50 mm



SUITABLE FOR
ALUMINIUM,
WOOD OR METAL
DOORS & FRAMES

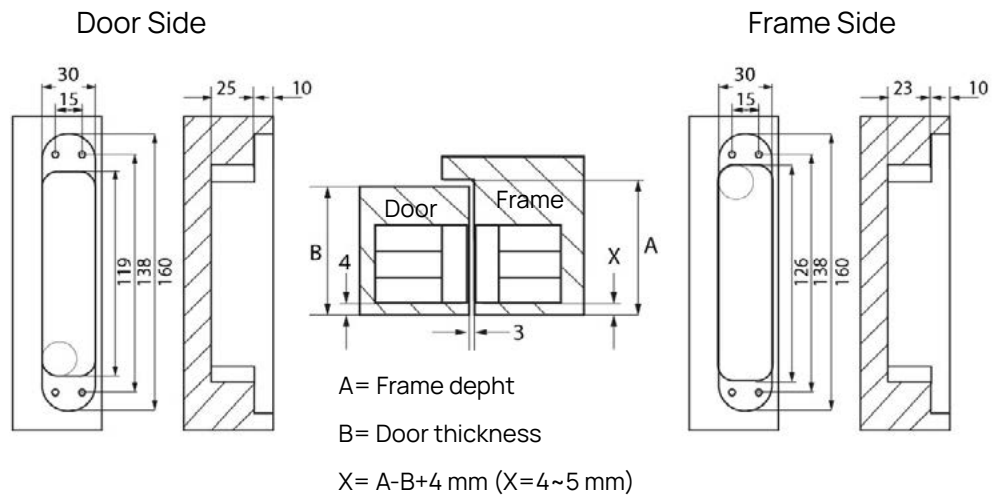
FEATURES

- Full stainless steel SUS 304 material
- Rust & corrosion resistant
- Strong precise construction
- Ultra heavy duty
- 25 years mechanical warranty

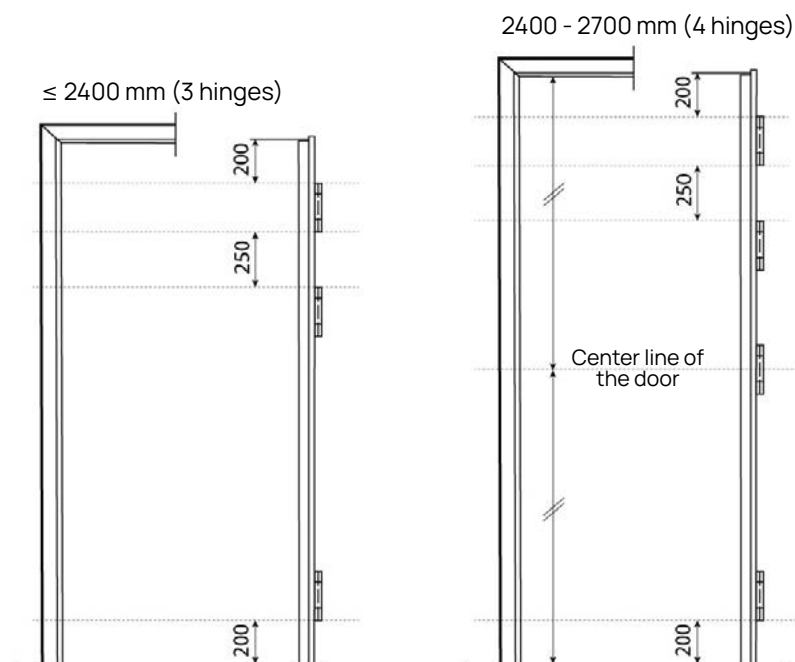
Posisi pintu dapat diatur:

- Atas - bawah ± 2.5 mm (total 5 mm)
- Kanan - kiri ± 2.5 mm (total 5 mm)
- Maju - mundur ± 1 mm (total 2 mm)

TEMPLATE DRILL (mm)



APPLICATION BASED ON DOOR HEIGHT



Engsel ke 3 menambah 25% berat kapasitas 2 engsel.

Engsel ke 4 menambah 20% dari total kapasitas 2 engsel.

Contoh: Penggunaan engsel 100 kg per pair

2 engsel: 100 kg

3 engsel: 100 kg + 25 kg = 125 kg

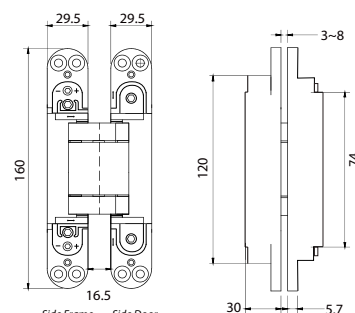
4 engsel: 100 kg + 25 kg + 20 kg = 145 kg

INVISIBLE HINGE P100N



No.	Code	FINISHING
1.	IHP 321	SSS
2.	IHP 322	SATIN BLACK
3.	IHP 324	GUNMETAL

Max Door Weight	: 100 kg / 2 pcs
Max Door Width	: 950 mm
Max Door Height	: 2400 mm (3 pcs) 2800 mm (4 pcs)
Max Door Opening	: 180°
Door Thickness	: 38 mm - 55 mm



SUITABLE FOR
ALUMINIUM,
WOOD OR METAL
DOORS & FRAMES

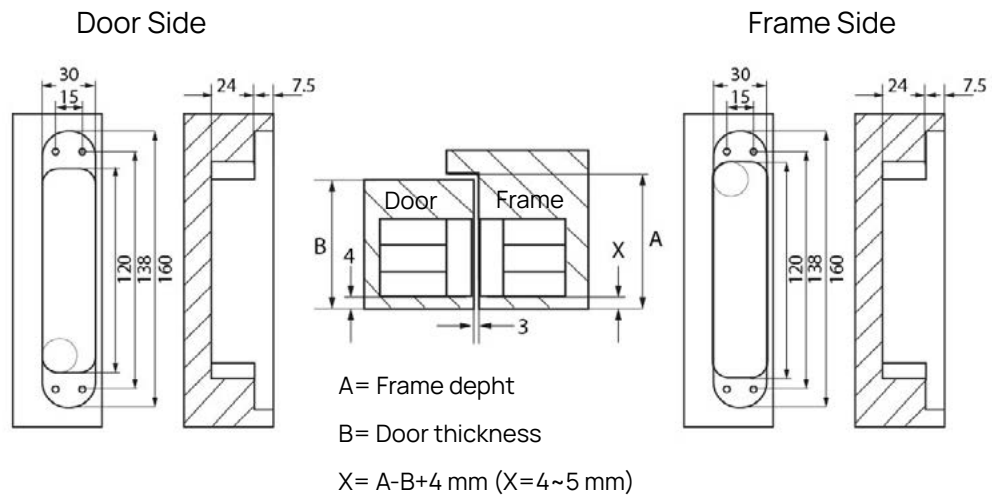
FEATURES

- Full stainless steel SUS 304 material
- Rust & corrosion resistant
- Strong precise construction
- Ultra heavy duty
- 25 years mechanical warranty

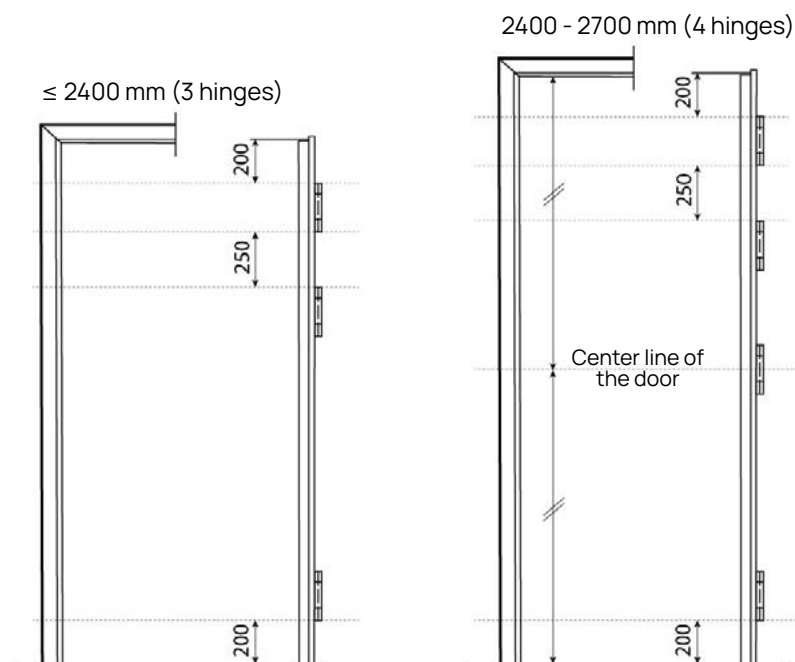
Posisi pintu dapat diatur:

- Atas - bawah ± 3 mm (total 6 mm)
- Kanan - kiri ± 1.5 mm (total 3 mm)
- Maju - mundur ± 1.5 mm (total 3 mm)

TEMPLATE DRILL (mm)



APPLICATION BASED ON DOOR HEIGHT



Engsel ke 3 menambah 25% berat kapasitas 2 engsel.

Engsel ke 4 menambah 20% dari total kapasitas 2 engsel.

Contoh: Penggunaan engsel 100 kg per pair

2 engsel: 100 kg

3 engsel: $100 \text{ kg} + 25 \text{ kg} = 125 \text{ kg}$

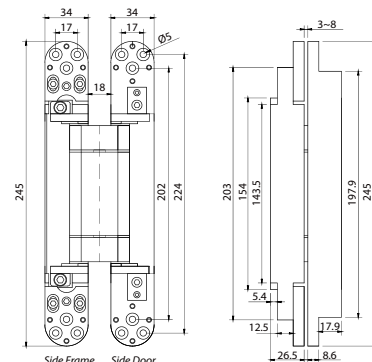
4 engsel: $100 \text{ kg} + 25 \text{ kg} + 20 \text{ kg} = 145 \text{ kg}$

INVISIBLE HINGE P120



No.	Code	FINISHING
1.	IHP 803	NA
2.	IHP 806	MATTE BLACK
3.	IHP 809	MATTE WHITE

Max Door Weight	: 120 kg / 2 pcs
Max Door Width	: 1000 mm
Max Door Height	: 2100 mm (2 pcs) 2500 mm (3 pcs) 2800 mm (4 pcs)
Max Door Opening	: 180°
Door Thickness	: 42 mm - 60 mm



SUITABLE FOR
ALUMINIUM,
WOOD OR METAL
DOORS & FRAMES

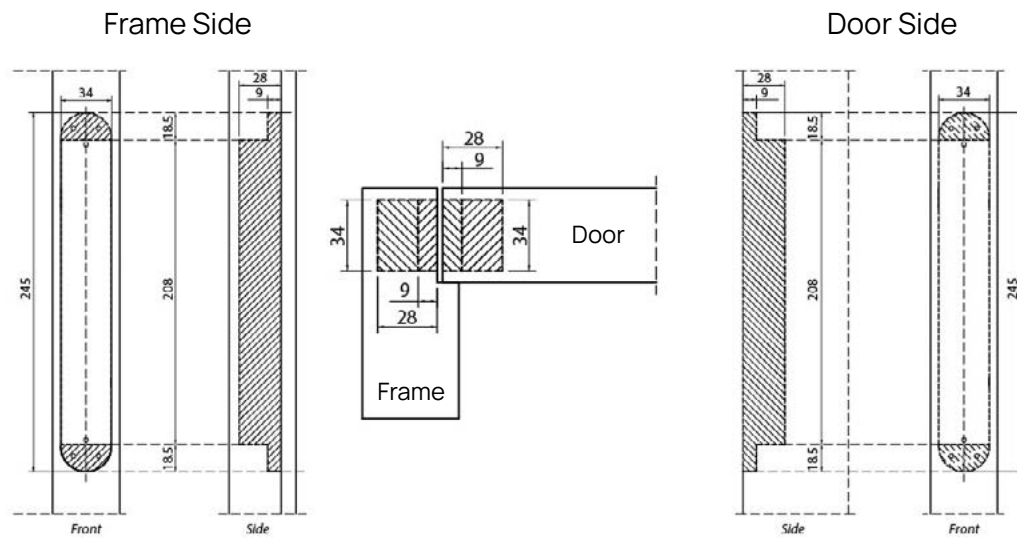
FEATURES

- SUPERALUM material
- Anti rust & corrosion
- Strong precise construction
- Heavy duty
- 10 years mechanical warranty

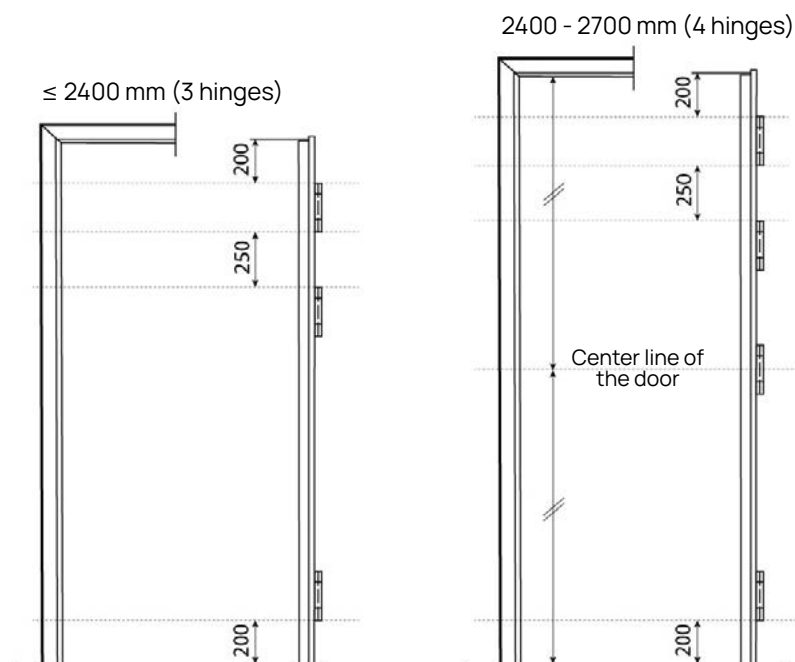
Posisi pintu dapat diatur:

- Atas - bawah ± 2.5 mm (total 5 mm)
- Kanan - kiri ± 1 mm (total 2 mm)
- Maju - mundur ± 1 mm (total 2 mm)

TEMPLATE DRILL (mm)



APPLICATION BASED ON DOOR HEIGHT



Engsel ke 3 menambah 25% berat kapasitas 2 engsel.

Engsel ke 4 menambah 20% dari total kapasitas 2 engsel.

Contoh: Penggunaan engsel 120 kg per pair

2 engsel: 120 kg

3 engsel: 120 kg + 30 kg = 150 kg

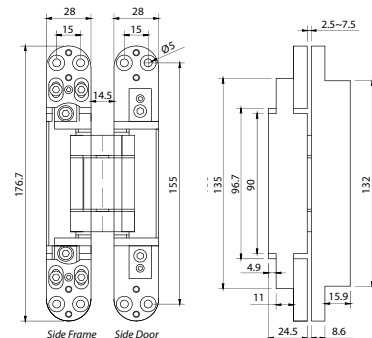
4 engsel: 120 kg + 30 kg + 24 kg = 174 kg

INVISIBLE HINGE P80



No.	Code	FINISHING
1.	IHP 802	NA
2.	IHP 805	MATTE BLACK
3.	IHP 808	MATTE WHITE

Max Door Weight	: 80 kg / 2 pcs
Max Door Width	: 900 mm
Max Door Height	: 2100 mm (2 pcs) 2500 mm (3 pcs) 2800 mm (4 pcs)
Max Door Opening	: 180°
Door Thickness	: 36 mm - 50 mm



SUITABLE FOR
ALUMINIUM,
WOOD OR METAL
DOORS & FRAMES

FEATURES

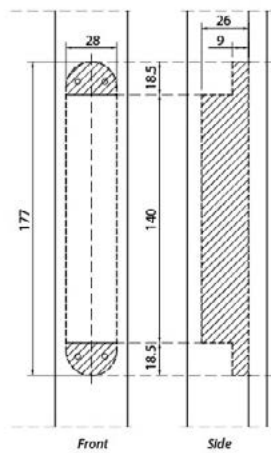
- SUPERALUM material
- Anti rust & corrosion
- Strong precise construction
- Heavy duty
- 10 years mechanical warranty

Posisi pintu dapat diatur:

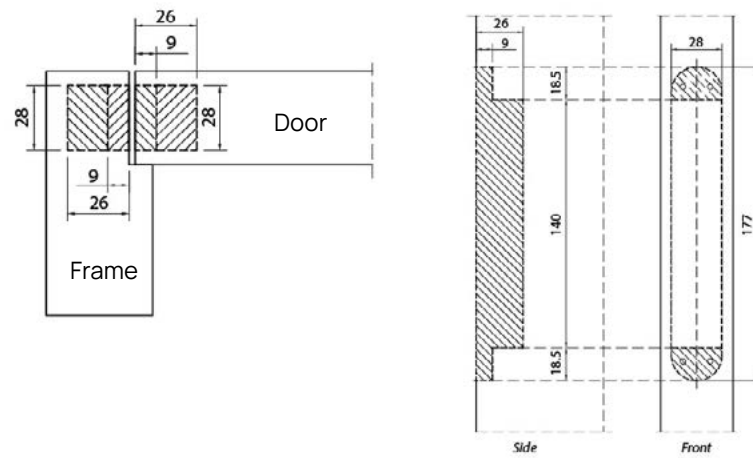
- Atas - bawah ± 2 mm (total 4 mm)
- Kanan - kiri ± 1.25 mm (total 2.5 mm)
- Maju - mundur ± 1 mm (total 2 mm)

TEMPLATE DRILL (mm)

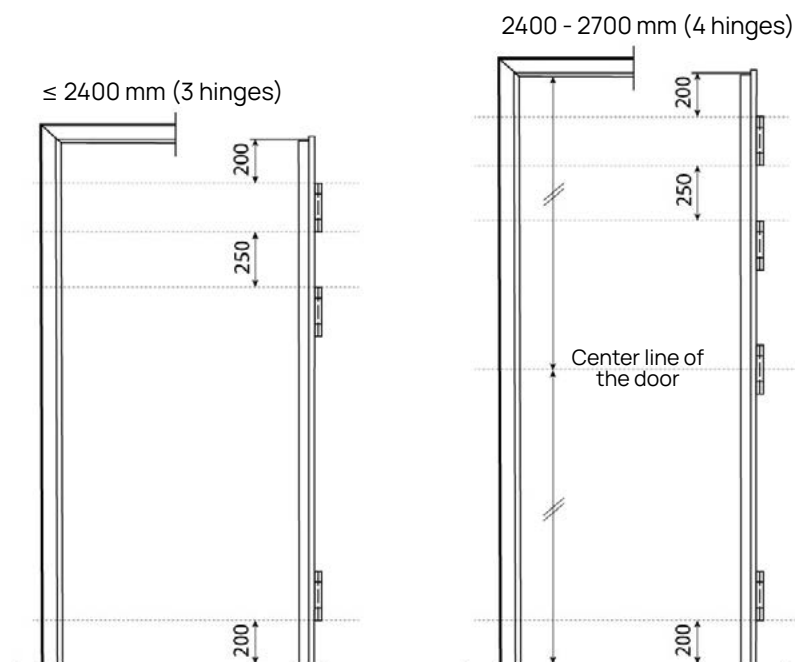
Frame Side



Door Side



APPLICATION BASED ON DOOR HEIGHT



Engsel ke 3 menambah 25% berat kapasitas 2 engsel.

Engsel ke 4 menambah 20% dari total kapasitas 2 engsel.

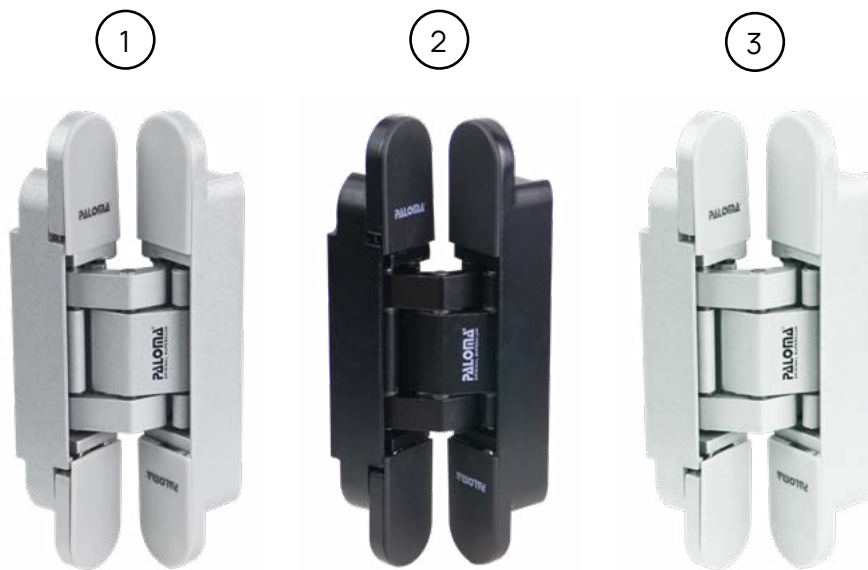
Contoh: Penggunaan engsel 80 kg per pair

2 engsel: 80 kg

3 engsel: $80 \text{ kg} + 20 \text{ kg} = 100 \text{ kg}$

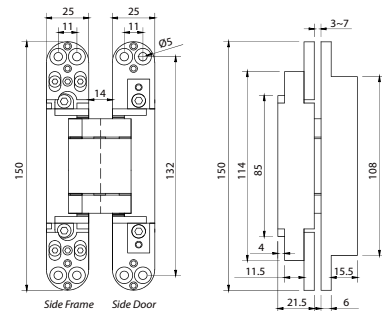
4 engsel: $80 \text{ kg} + 20 \text{ kg} + 16 \text{ kg} = 116 \text{ kg}$

INVISIBLE HINGE P40



No.	Code	FINISHING
1.	IHP 801	NA
2.	IHP 804	MATTE BLACK
3.	IHP 807	MATTE WHITE

Max Door Weight	: 40 kg / 2 pcs
Max Door Width	: 800 mm
Max Door Height	: 2100 mm (2 pcs) 2500 mm (3 pcs) 2800 mm (4 pcs)
Max Door Opening	: 180°
Door Thickness	: 33 mm - 45 mm



SUITABLE FOR
ALUMINIUM,
WOOD OR METAL
DOORS & FRAMES

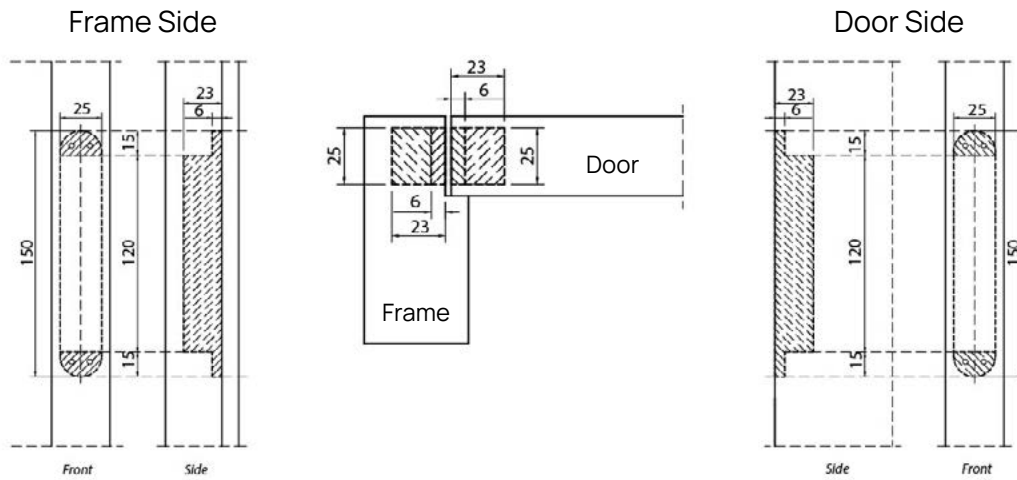
FEATURES

- SUPERALUM material
- Anti rust & corrosion
- Strong precise construction
- Heavy duty
- 10 years mechanical warranty

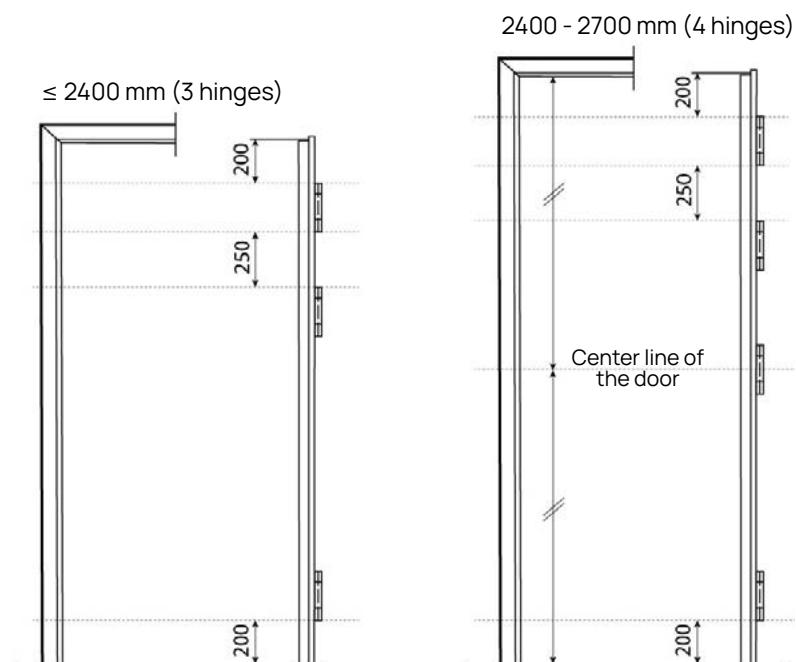
Posisi pintu dapat diatur:

- Atas - bawah ± 2 mm (total 4 mm)
- Kanan - kiri ± 1.25 mm (total 2.5 mm)
- Maju - mundur ± 1 mm (total 2 mm)

TEMPLATE DRILL (mm)



APPLICATION BASED ON DOOR HEIGHT



Engsel ke 3 menambah 25% berat kapasitas 2 engsel.

Engsel ke 4 menambah 20% dari total kapasitas 2 engsel.

Contoh: Penggunaan engsel 40 kg per pair

2 engsel: 40 kg

3 engsel: 40 kg + 10 kg = 50 kg

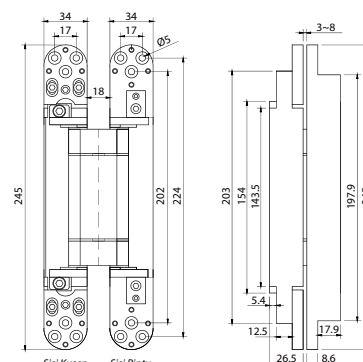
4 engsel: 40 kg + 10 kg + 8 kg = 58 kg

INVISIBLE HINGE PL120



No.	Code	FINISHING
1.	IHP 813	NA
2.	IHP 816	MATTE BLACK
3.	IHP 819	MATTE WHITE
4.	IHP 823	GUNMETAL

Max Door Weight	: 120 kg / 2 pcs
Max Door Width	: 1000 mm
Max Door Height	: 2100 mm (2 pcs) 2500 mm (3 pcs) 2800 mm (4 pcs)
Max Door Opening	: 180°
Door Thickness	: 42 mm - 60 mm



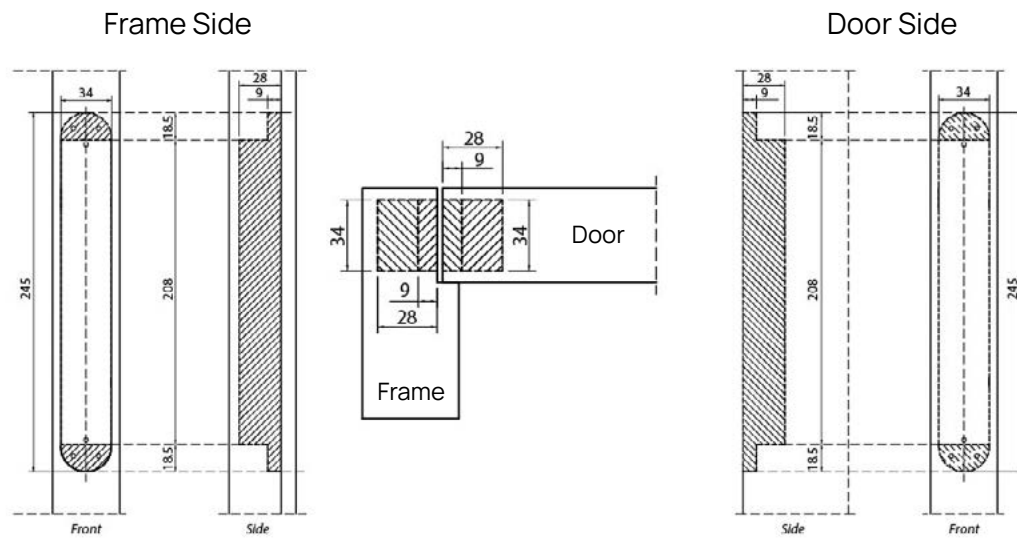
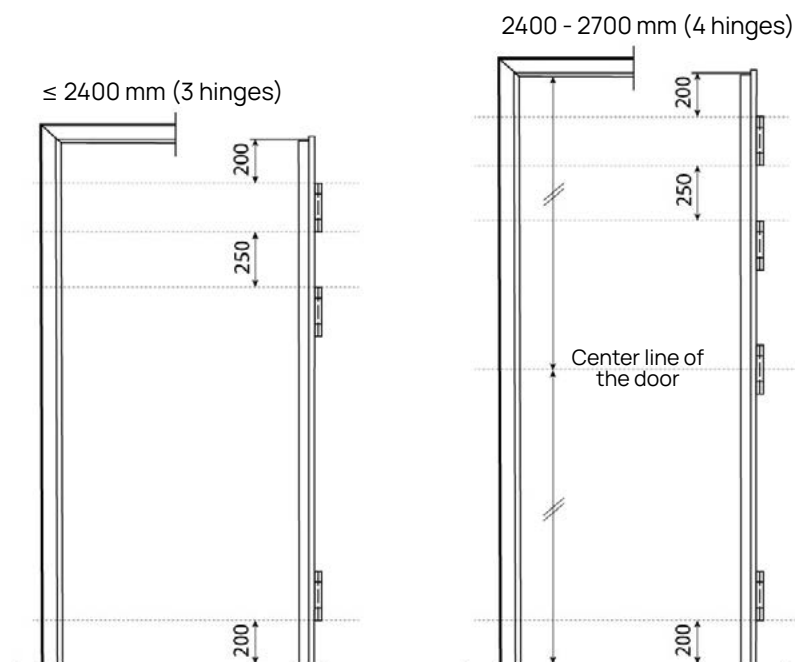
SUITABLE FOR
ALUMINIUM,
WOOD OR METAL
DOORS & FRAMES

FEATURES

- SUPERALUM material
- Stainless steel SUS 304 cover
- Anti rust & corrosion
- Strong precise construction
- Heavy duty
- 10 years mechanical warranty

Posisi pintu dapat diatur:

- Atas - bawah ± 2.5 mm (total 5 mm)
- Kanan - kiri ± 1 mm (total 2 mm)
- Maju - mundur ± 1 mm (total 2 mm)

TEMPLATE DRILL (mm)APPLICATION BASED ON DOOR HEIGHT

Engsel ke 3 menambah 25% berat kapasitas 2 engsel.

Engsel ke 4 menambah 20% dari total kapasitas 2 engsel.

Contoh: Penggunaan engsel 120 kg per pair

2 engsel: 120 kg

3 engsel: 120 kg + 30 kg = 150 kg

4 engsel: 120 kg + 30 kg + 24 kg = 174 kg

INVISIBLE HINGE PL80

1



2



3

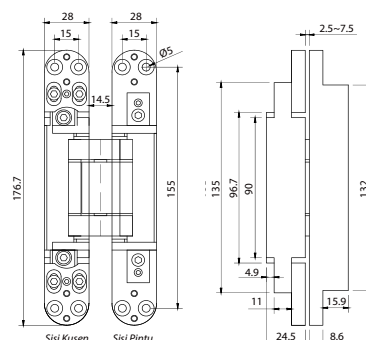


4



No.	Code	FINISHING
1.	IHP 812	NA
2.	IHP 815	MATTE BLACK
3.	IHP 818	MATTE WHITE
4.	IHP 822	GUNMETAL

Max Door Weight	: 80 kg / 2 pcs
Max Door Width	: 900 mm
Max Door Height	: 2100 mm (2 pcs) 2500 mm (3 pcs) 2800 mm (4 pcs)
Max Door Opening	: 180°
Door Thickness	: 36 mm - 50 mm



SUITABLE FOR
ALUMINIUM,
WOOD OR METAL
DOORS & FRAMES

FEATURES

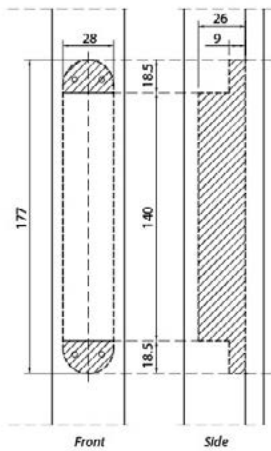
- SUPERALUM material
- Stainless steel SUS 304 cover
- Anti rust & corrosion
- Strong precise construction
- Heavy duty
- 10 years mechanical warranty

Posisi pintu dapat diatur:

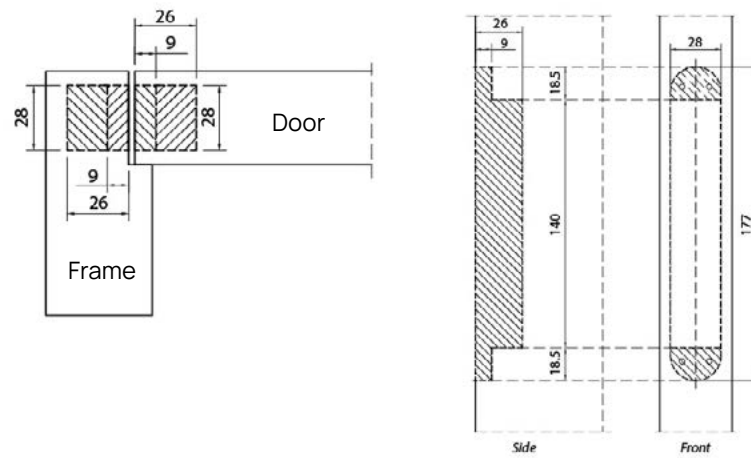
- Atas - bawah ± 2.5 mm (total 5 mm)
- Kanan - kiri ± 1.25 mm (total 2.5 mm)
- Maju - mundur ± 1.25 mm (total 2.5 mm)

TEMPLATE DRILL (mm)

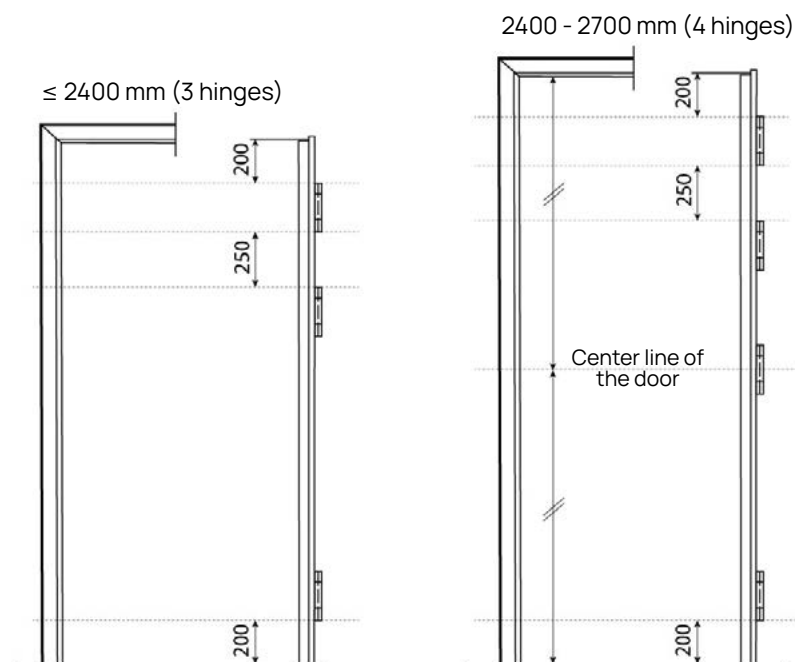
Frame Side



Door Side



APPLICATION BASED ON DOOR HEIGHT



Engsel ke 3 menambah 25% berat kapasitas 2 engsel.

Engsel ke 4 menambah 20% dari total kapasitas 2 engsel.

Contoh: Penggunaan engsel 80 kg per pair

2 engsel: 80 kg

3 engsel: 80 kg + 20 kg = 100 kg

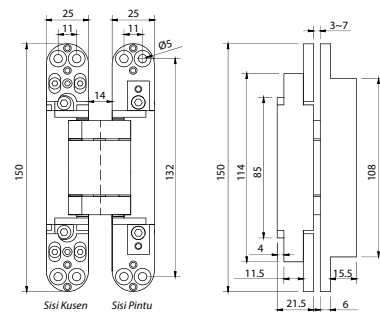
4 engsel: 80 kg + 20 kg + 16 kg = 116 kg

INVISIBLE HINGE PL40



No.	Code	FINISHING
1.	IHP 811	NA
2.	IHP 814	MATTE BLACK
3.	IHP 817	MATTE WHITE
4.	IHP 821	GUNMETAL

Max Door Weight	: 40 kg / 2 pcs
Max Door Width	: 800 mm
Max Door Height	: 2100 mm (2 pcs) 2500 mm (3 pcs) 2800 mm (4 pcs)
Max Door Opening	: 180°
Door Thickness	: 33 mm - 45 mm



SUITABLE FOR
ALUMINIUM,
WOOD OR METAL
DOORS & FRAMES

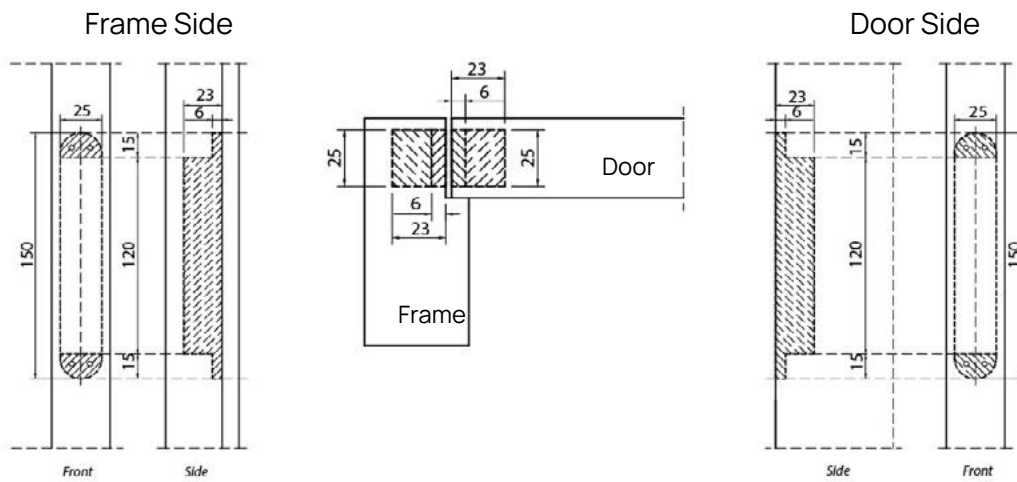
FEATURES

- SUPERALUM material
- Stainless steel SUS 304 cover
- Anti rust & corrosion
- Strong precise construction
- Heavy duty
- 10 years mechanical warranty

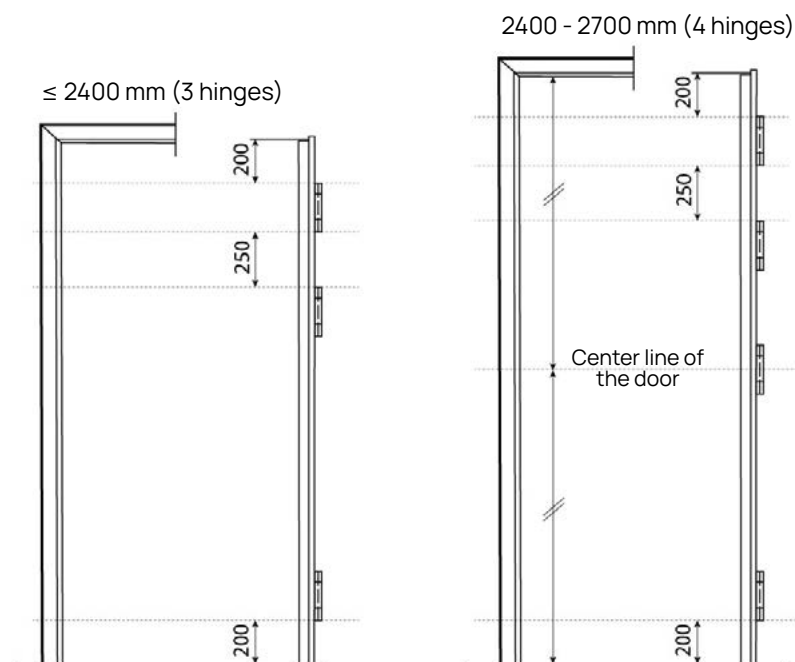
Posisi pintu dapat diatur:

- Atas - bawah ± 2 mm (total 4 mm)
- Kanan - kiri ± 1.25 mm (total 2.5 mm)
- Maju - mundur ± 1.25 mm (total 2.5 mm)

TEMPLATE DRILL (mm)



APPLICATION BASED ON DOOR HEIGHT



Engsel ke 3 menambah 25% berat kapasitas 2 engsel.

Engsel ke 4 menambah 20% dari total kapasitas 2 engsel.

Contoh: Penggunaan engsel 40 kg per pair

2 engsel: 40 kg

3 engsel: 40 kg + 10 kg = 50 kg

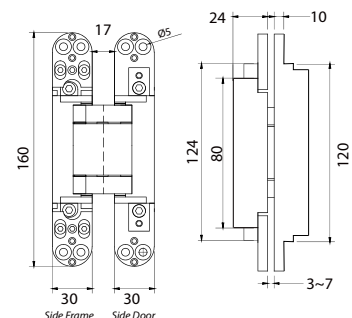
4 engsel: 40 kg + 10 kg + 8 kg = 58 kg

INVISIBLE HINGE P100



Code	FINISHING
IHP 302	SSS

Max Door Weight	: 100 kg / 2 pcs
Max Door Width	: 940 mm
Max Door Height	: 2200 mm (2 pcs) 2500 mm (3 pcs) 3000 mm (4 pcs)
Door Thickness	: 40 mm - 55 mm



SUITABLE FOR
ALUMINIUM,
WOOD OR METAL
DOORS & FRAMES

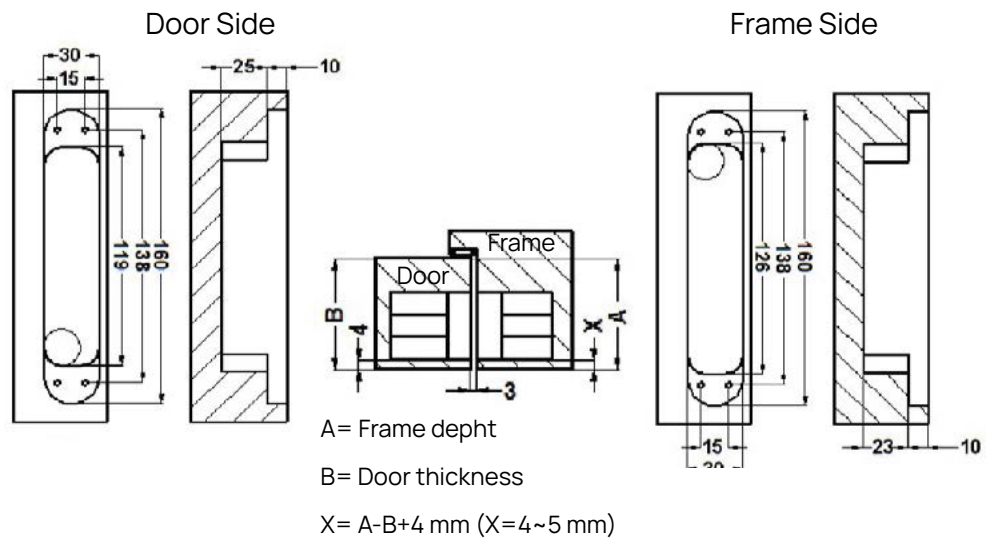
FEATURES

- Full stainless steel SUS 304 material
- Rust & corrosion resistant
- Strong precise construction
- Heavy duty
- 10 years mechanical warranty

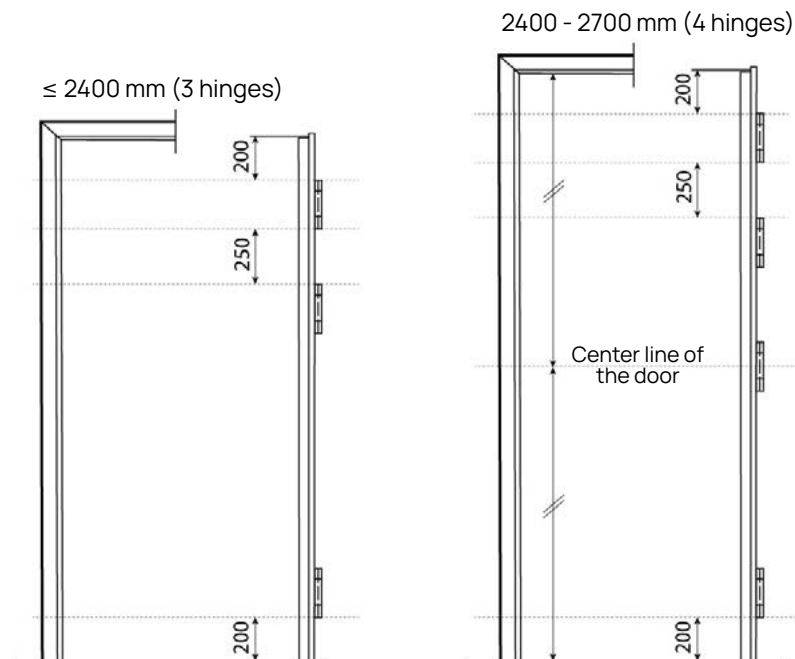
Posisi pintu dapat diatur:

- Atas - bawah ± 2.5 mm (total 5 mm)
- Kanan - kiri ± 2 mm (total 4 mm)
- Maju - mundur ± 1 mm (total 2 mm)

TEMPLATE DRILL (mm)



APPLICATION BASED ON DOOR HEIGHT



Engsel ke 3 menambah 25% berat kapasitas 2 engsel.

Engsel ke 4 menambah 20% dari total kapasitas 2 engsel.

Contoh: Penggunaan engsel 100 kg per pair

2 engsel: 100 kg

3 engsel: $100 \text{ kg} + 25 \text{ kg} = 125 \text{ kg}$

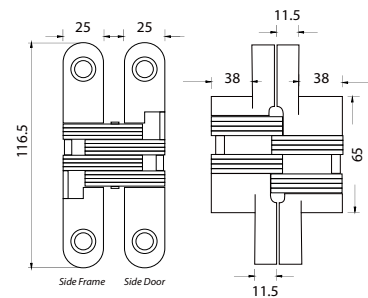
4 engsel: $100 \text{ kg} + 25 \text{ kg} + 20 \text{ kg} = 145 \text{ kg}$

INVISIBLE HINGE P65



Code	FINISHING
IHP 213	SSS

Max Door Weight	: 65 kg / 2 pcs
Max Door Width	: 800 mm
Max Door Height	: 2400 mm (3 pcs) 2700 mm (4 pcs)
Door Thickness	: 35 mm - 45 mm

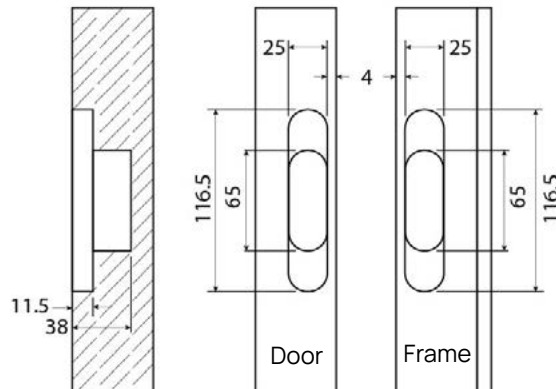


SUITABLE FOR
ALUMINIUM,
WOOD OR METAL
DOORS & FRAMES

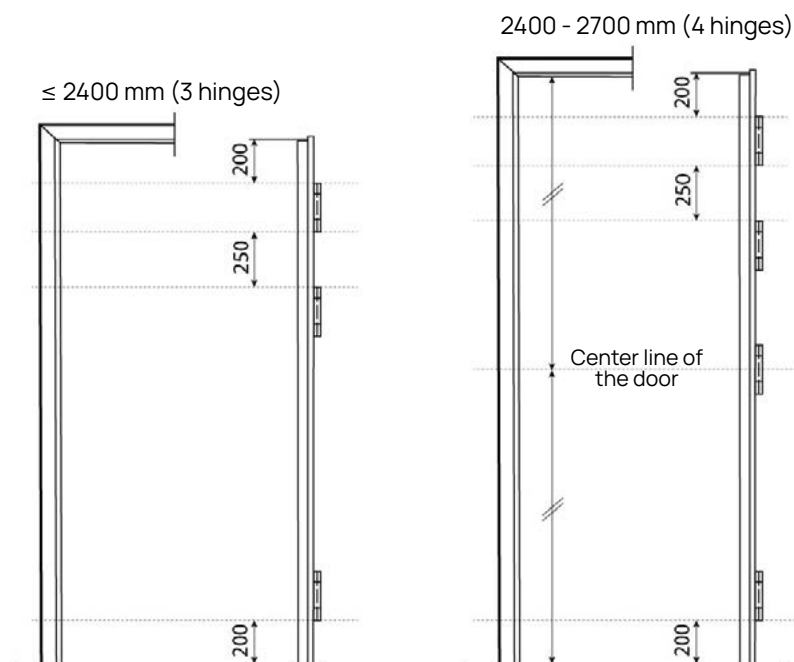
FEATURES

- Full stainless steel SUS 304 material
- Rust & corrosion resistant
- Strong precise construction
- Heavy duty
- 10 years mechanical warranty

TEMPLATE DRILL (mm)



APPLICATION BASED ON DOOR HEIGHT



Engsel ke 3 menambah 25% berat kapasitas 2 engsel.

Engsel ke 4 menambah 20% dari total kapasitas 2 engsel.

Contoh: Penggunaan engsel 65 kg per pair

2 engsel: 65 kg

3 engsel: $65 \text{ kg} + 16 \text{ kg} = 81 \text{ kg}$

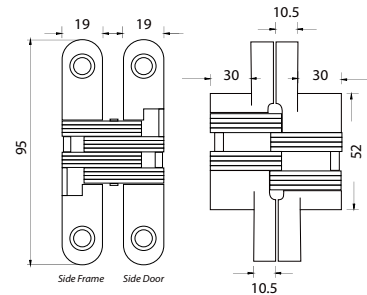
4 engsel: $65 \text{ kg} + 16 \text{ kg} + 13 \text{ kg} = 94 \text{ kg}$

INVISIBLE HINGE P50



Code	FINISHING
IHP 212	SSS

Max Door Weight	: 50 kg / 2 pcs
Max Door Width	: 800 mm
Max Door Height	: 2100 mm (3 pcs) 2400 mm (4 pcs)
Door Thickness	: 28 mm - 35 mm

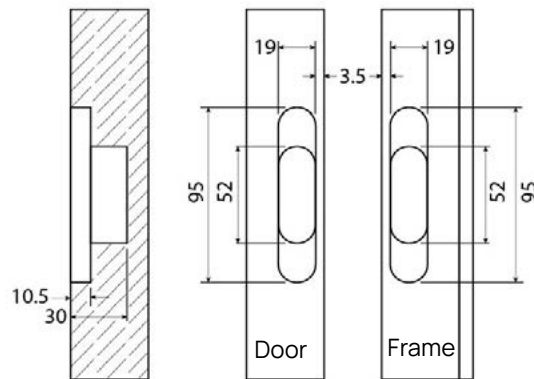


SUITABLE FOR
ALUMINIUM,
WOOD OR METAL
DOORS & FRAMES

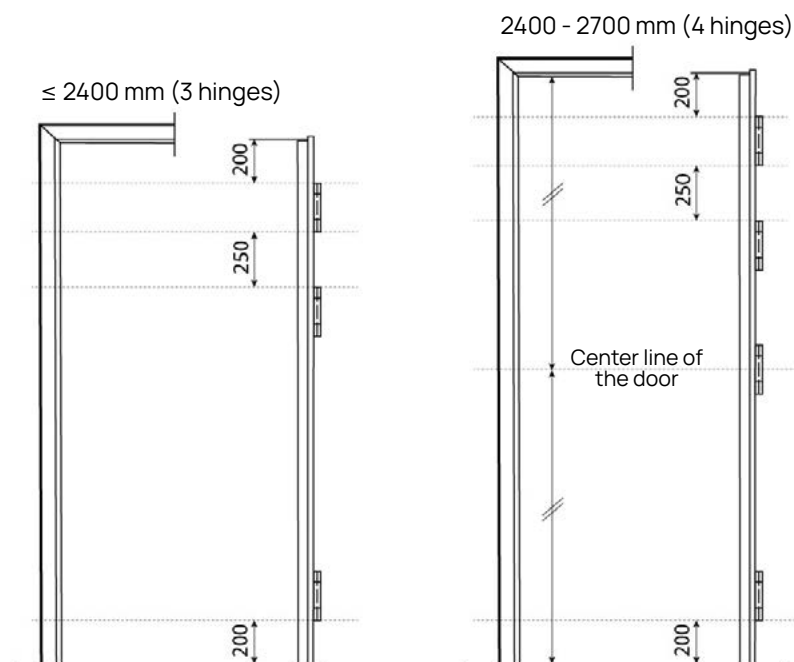
FEATURES

- Full stainless steel SUS 304 material
- Rust & corrosion resistant
- Strong precise construction
- Heavy duty
- 10 years mechanical warranty

TEMPLATE DRILL (mm)



APPLICATION BASED ON DOOR HEIGHT



Engsel ke 3 menambah 25% berat kapasitas 2 engsel.

Engsel ke 4 menambah 20% dari total kapasitas 2 engsel.

Contoh: Penggunaan engsel 50 kg per pair

2 engsel: 50 kg

3 engsel: $50 \text{ kg} + 12 \text{ kg} = 62 \text{ kg}$

4 engsel: $50 \text{ kg} + 12 \text{ kg} + 13 \text{ kg} = 72 \text{ kg}$

DOOR CLOSER







DOOR CLOSER 992 CONCEALED



No.	Code	FINISHING
1.	DCP 511	NA
2.	DCP 512	MATTE BLACK

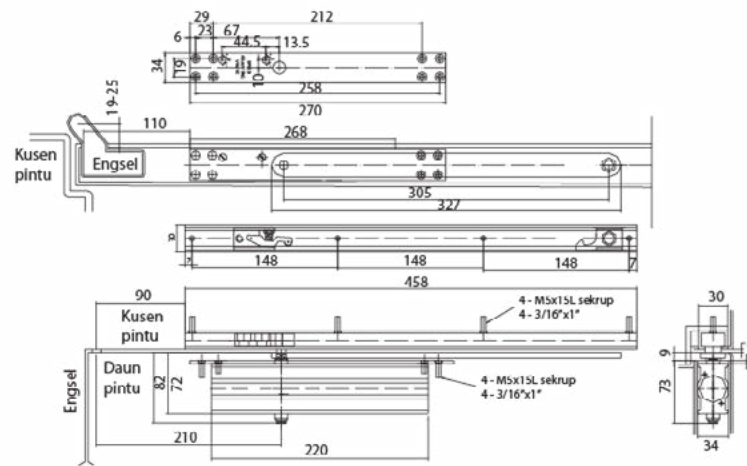
Max Door Weight : 70 kg
 Max Door Width : 950 mm
 Door Thickness : 45 mm

FEATURES

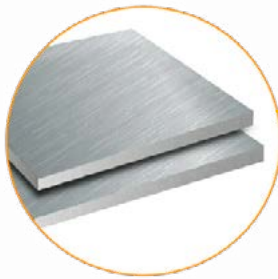
- High grade solid aluminium
- Anti rust & corrosion
- Sliding arm mechanism
- High quality hydraulic oil
- Strong precise construction
- Heavy duty
- 5 years mechanical warranty



SUITABLE FOR
ALUMINIUM,
WOOD OR METAL
DOORS & FRAMES



High Grade Solid Aluminium Body



Adjustable Telescopic Arm

Easy adjustable to help with the hassle-free installation and smooth transition of opening/closure.



Adjustable Closing & Latching Speed

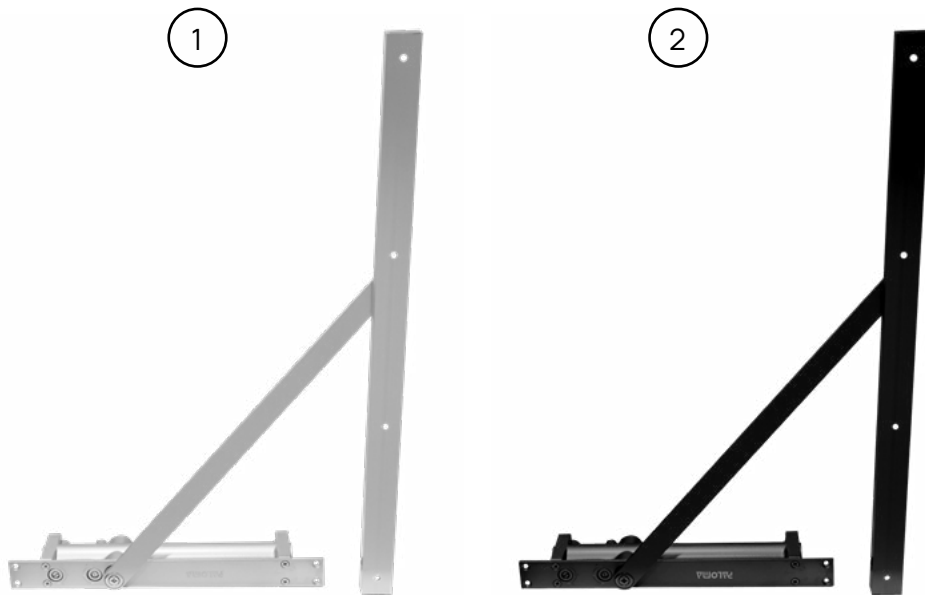


Left and Right Handed Operation

Design to work with left opening/closing and right opening/closing doors.



DOOR CLOSER 935 CONCEALED



No.	Code	FINISHING
1.	DCP 521	NA
2.	DCP 522	MATTE BLACK

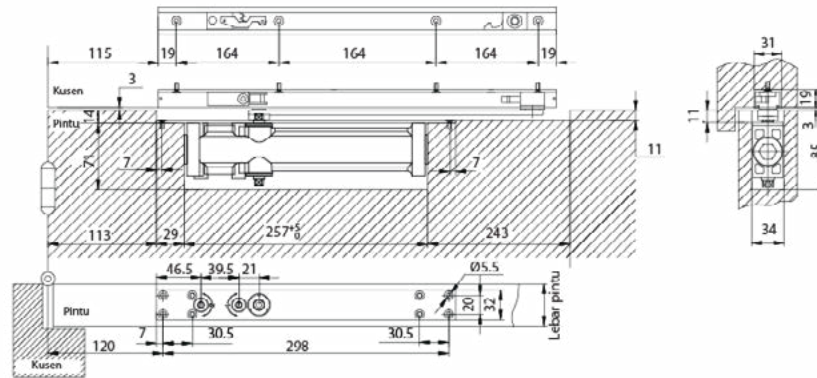
Max Door Weight	: 90 kg
Max Door Width	: 950 mm
Door Thickness	: 40 mm

FEATURES

- High grade solid aluminium
- Anti rust & corrosion
- Sliding arm mechanism
- High quality hydraulic oil
- Strong precise construction
- Heavy duty
- 5 years mechanical warranty



SUITABLE FOR
ALUMINIUM,
WOOD OR METAL
DOORS & FRAMES



Adjustable Closing & Latching Speed

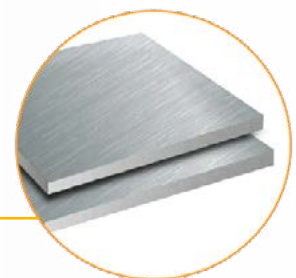


Adjustable Telescopic Arm

Easy adjustable to help with the hassle-free installation and smooth transition of opening/closure.



High Grade Solid Aluminium Body



Left and Right Handed Operation

Design to work with left opening/closing and right opening/closing doors.

DOOR CLOSER 993 CONCEALED



No.	Code	FINISHING
1.	DCP 501	NA
2.	DCP 502	MATTE BLACK

Max Door Weight	: 50 kg
Max Door Width	: 800 mm
Door Thickness	: 40 mm

FEATURES

- High grade solid aluminium
- Anti rust & corrosion
- Sliding arm mechanism
- High quality hydraulic oil
- Strong precise construction
- Heavy duty
- 5 years mechanical warranty



SUITABLE FOR
ALUMINIUM,
WOOD OR METAL
DOORS & FRAMES

Easy adjustable to help with the hassle-free installation and smooth transition of opening/closure.



Design to work with left opening/
closing and right opening/closing
doors.

DOOR CLOSER 925 SLIDING ARM



No.	Code	FINISHING
1.	DCP 411	NA
2.	DCP 412	MATTE BLACK

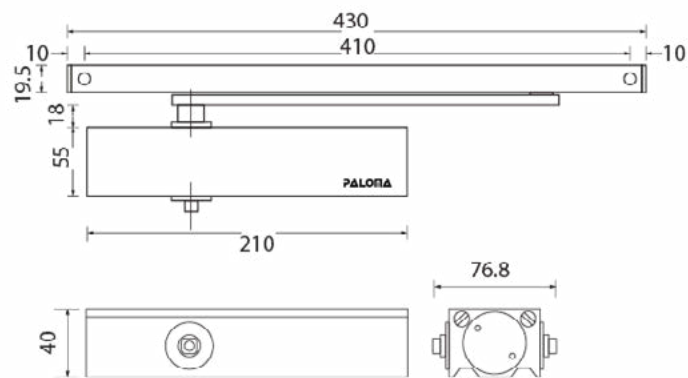
Max Door Weight : 50 kg
Max Door Width : 900 mm

FEATURES

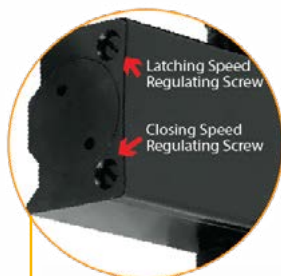
- High grade solid aluminium
- Anti rust & corrosion
- Sliding arm mechanism
- High quality hydraulic oil
- Strong precise construction
- Heavy duty
- 5 years mechanical warranty



SUITABLE FOR
ALUMINIUM,
WOOD OR METAL
DOORS & FRAMES



Adjustable Closing & Latching Speed

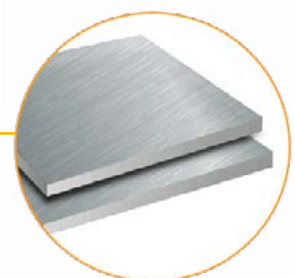


Adjustable Telescopic Arm

Easy adjustable to help with the hassle-free installation and smooth transition of opening/closure.



High Grade Solid Aluminium Body



Left and Right Handed Operation

Design to work with left opening/closing and right opening/closing doors.

DOOR CLOSER 9516 NHO



No.	Code	FINISHING
1.	DCP 321	NA
2.	DCP 322	MATTE BLACK

Door Weight : 20 ~ 150 kg

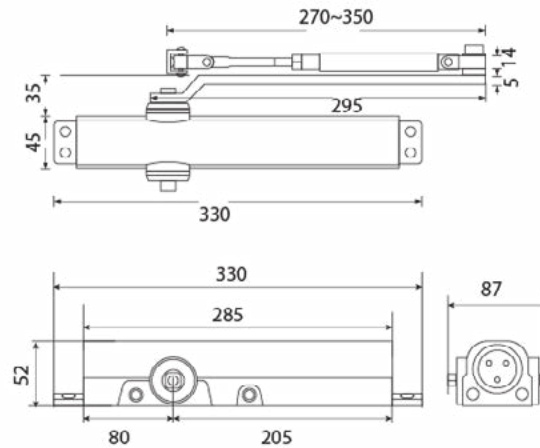
Max Door Width : 1000 mm

FEATURES

- High grade solid aluminium
- Anti rust & corrosion
- High quality hydraulic oil
- Strong precise construction
- Heavy duty
- 5 years mechanical warranty



SUITABLE FOR
ALUMINIUM,
WOOD OR METAL
DOORS & FRAMES

**Delay Action**

the control valve delays the door closing time at the initial closing angle.

**Backcheck**

valve for regulating hydraulic resistance to opening the door (to prevent impact when opening the door).

Rotating Control Shaft

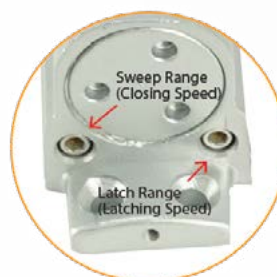
Super strength aluminium control shaft for smooth opening and closing.

Adjustable Telescopic Arm

Easy adjustable to help with the hassle-free installation and smooth transition of opening/closure.

High Grade Solid Aluminium Body**Left and Right Handed Operation**

Design to work with left opening/closing and right opening/closing doors.

**Adjustable Closing & Latching Speed****Secure Nail Joint**

Strong construction keeps the closer in place for control, stability, and safety.

DOOR CLOSER 9557 NHO



No.	Code	FINISHING
1.	DCP 311	NA
2.	DCP 312	MATTE BLACK

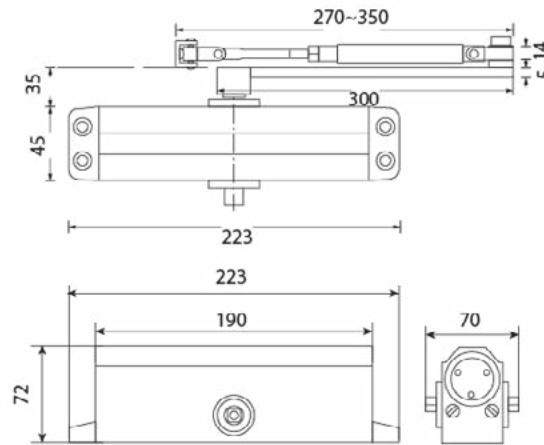
Door Weight : 150 kg
Max Door Width : 1000 mm

FEATURES

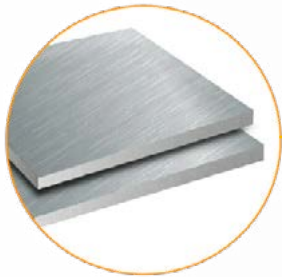
- High grade solid aluminium
- Anti rust & corrosion
- High quality hydraulic oil
- Strong precise construction
- Heavy duty
- 5 years mechanical warranty



SUITABLE FOR
ALUMINIUM,
WOOD OR METAL
DOORS & FRAMES



High Grade Solid Aluminium Body



Rotating Control Shaft

Super strength aluminium control shaft for smooth opening and closing.

Adjustable Telescopic Arm

Easy adjustable to help with the hassle-free installation and smooth transition of opening/closure.

Adjustable Closing & Latching Speed



Left and Right Handed Operation

Design to work with left opening/closing and right opening/closing doors.

Secure Nail Joint

Strong construction keeps the closer in place for control, stability, and safety.



DOOR CLOSER 956 NHO



No.	Code	FINISHING
1.	DCP 301	NA
2.	DCP 302	MATTE BLACK

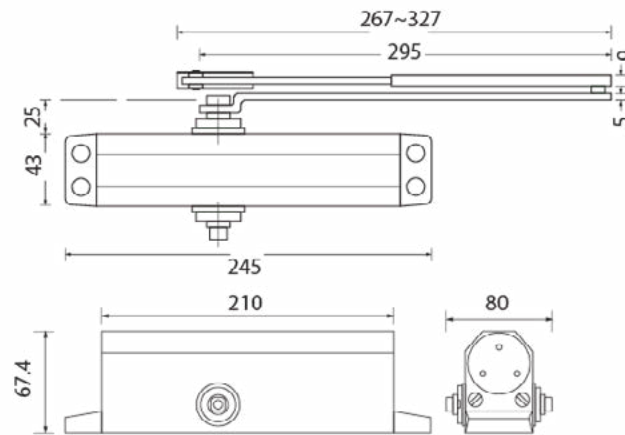
Door Weight : 100 kg
Max Door Width : 1000 mm

FEATURES

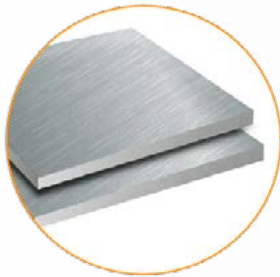
- High grade solid aluminium
- Anti rust & corrosion
- High quality hydraulic oil
- Strong precise construction
- Heavy duty
- 5 years mechanical warranty



SUITABLE FOR
ALUMINIUM,
WOOD OR METAL
DOORS & FRAMES



High Grade Solid Aluminium Body



Left and Right Handed Operation

Design to work with left opening/closing and right opening/closing doors.

Rotating Control Shaft

Super strength aluminium control shaft for smooth opening and closing.

Adjustable Telescopic Arm

Easy adjustable to help with the hassle-free installation and smooth transition of opening/closure.

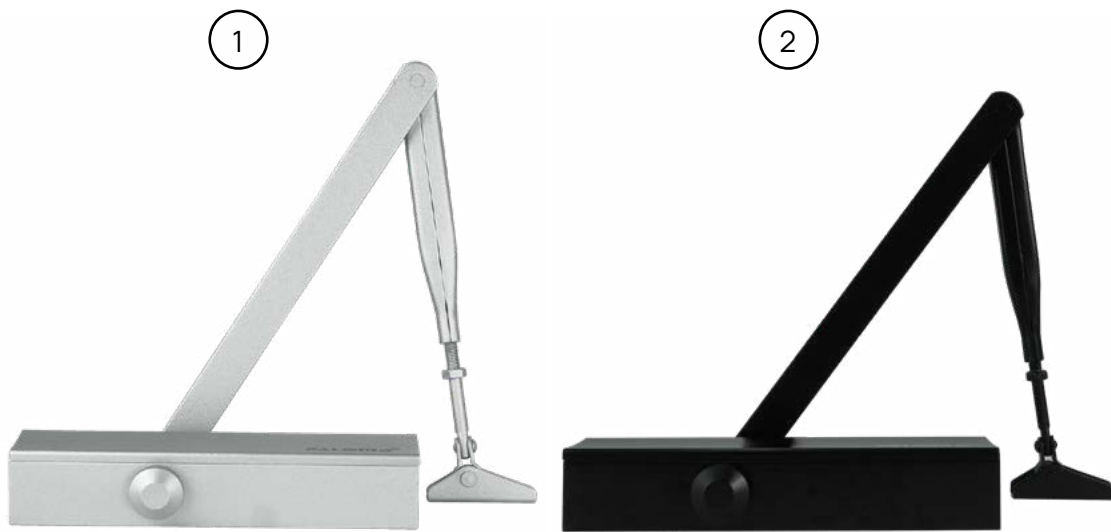


Adjustable Closing & Latching Speed

Secure Nail Joint

Strong construction keeps the closer in place for control, stability, and safety.

DOOR CLOSER 925 NHO



No.	Code	FINISHING
1.	DCP 401	NA
2.	DCP 402	MATTE BLACK

Door Weight : 40 ~ 100 kg

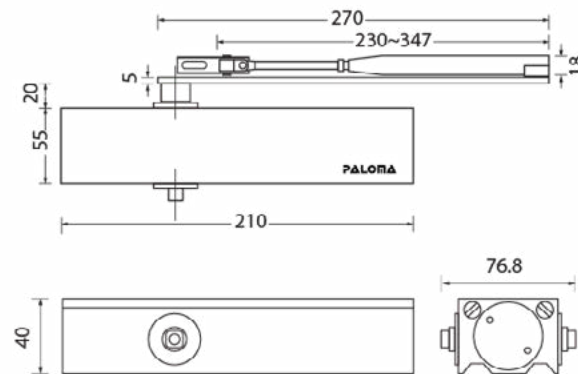
Max Door Width : 1000 mm

FEATURES

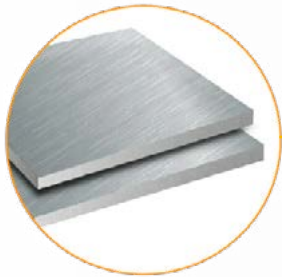
- High grade solid aluminium
- Anti rust & corrosion
- High quality hydraulic oil
- Strong precise construction
- Heavy duty
- 5 years mechanical warranty



SUITABLE FOR
ALUMINIUM,
WOOD OR METAL
DOORS & FRAMES



High Grade Solid Aluminium Body



Left and Right Handed Operation

Design to work with left opening/closing and right opening/closing doors.

Rotating Control Shaft

Super strength aluminium control shaft for smooth opening and closing.

Adjustable Telescopic Arm

Easy adjustable to help with the hassle-free installation and smooth transition of opening/closure.



Adjustable Closing & Latching Speed

Secure Nail Joint

Strong construction keeps the closer in place for control, stability, and safety.

DOOR CLOSER 900 NHO



No.	Code	FINISHING
1.	DCP 101	NA
2.	DCP 102	BA
3.	DCP 103	MATTE BLACK
4.	DCP 104	WHITE

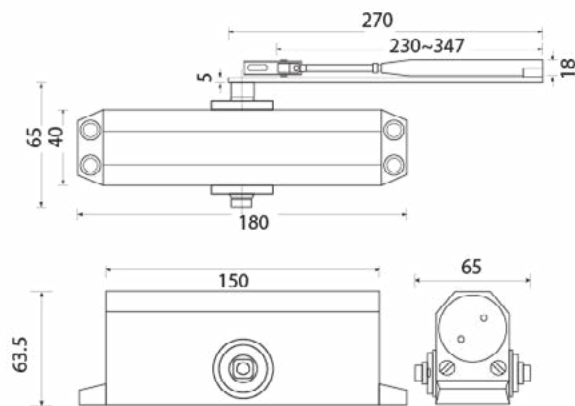
Door Weight : 40 kg
 Max Door Width : 800 mm

FEATURES

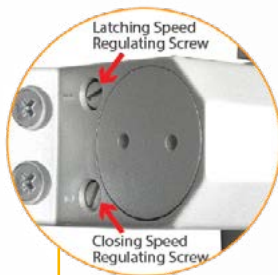
- High grade solid aluminium
- Anti rust & corrosion
- Hydraulic with German oil
- Strong precise construction
- Heavy duty
- 5 years mechanical warranty



SUITABLE FOR
 ALUMINIUM,
 WOOD OR METAL
 DOORS & FRAMES



Adjustable Closing & Latching Speed



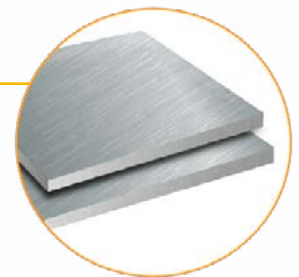
Rotating Control Shaft

Super strength aluminium control shaft for smooth opening and closing.

Adjustable Telescopic Arm

Easy adjustable to help with the hassle-free installation and smooth transition of opening/closure.

High Grade Solid Aluminium Body



Left and Right Handed Operation

Design to work with left opening/closing and right opening/closing doors.

Secure Nail Joint

Strong construction keeps the closer in place for control, stability, and safety.

DOOR CLOSER 900 HO



No.	Code	FINISHING
1.	DCP 111	NA
2.	DCP 112	BA
3.	DCP 113	MATTE BLACK
4.	DCP 114	WHITE

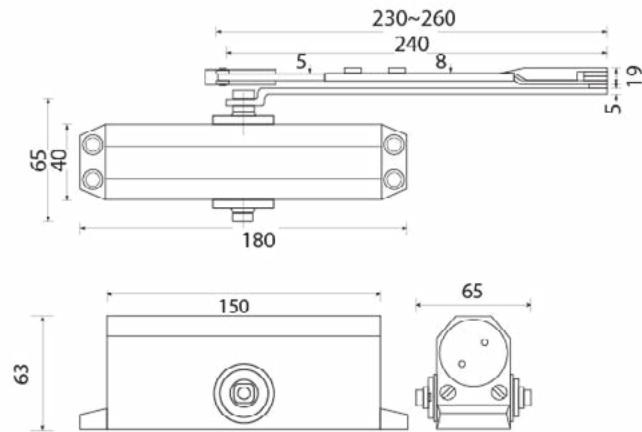
Door Weight : 40 kg
 Max Door Width : 800 mm

FEATURES

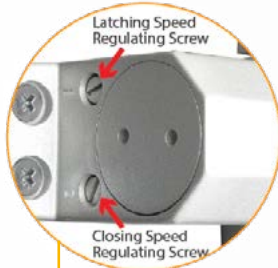
- High grade solid aluminium
- Anti rust & corrosion
- Hydraulic with German oil
- Strong precise construction
- Heavy duty
- 5 years mechanical warranty



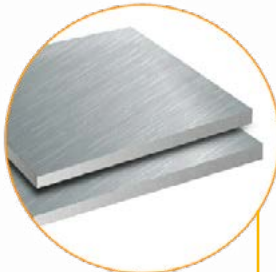
SUITABLE FOR
 ALUMINIUM,
 WOOD OR METAL
 DOORS & FRAMES



Adjustable Closing & Latching Speed



High Grade Solid Aluminium Body



Rotating Control Shaft

Super strength aluminium control shaft for smooth opening and closing.



Adjustable Telescopic Arm

Easy adjustable to help with the hassle-free installation and smooth transition of opening/closure.

Secure Nail Joint

Strong construction keeps the closer in place for control, stability, and safety.

Left and Right Handed Operation

Design to work with left opening/closing and right opening/closing doors.



PIVOT HINGE



PIVOT HINGE 900 HD



Code	FINISHING
PVP 891	SSS

Max Door Weight : 900 kg
Max Door Width : 1500 mm
Min Door Thickness : 60 mm

FEATURES

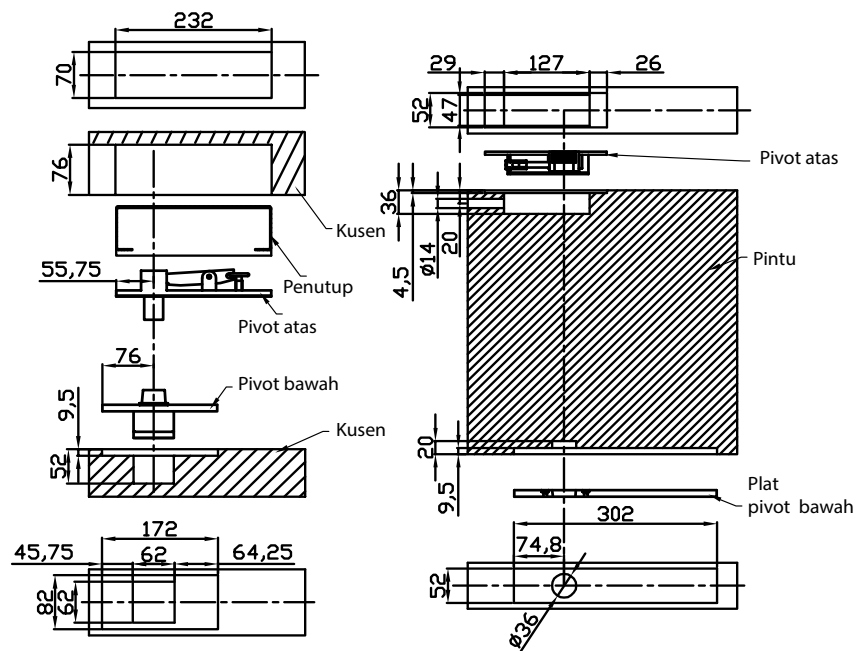
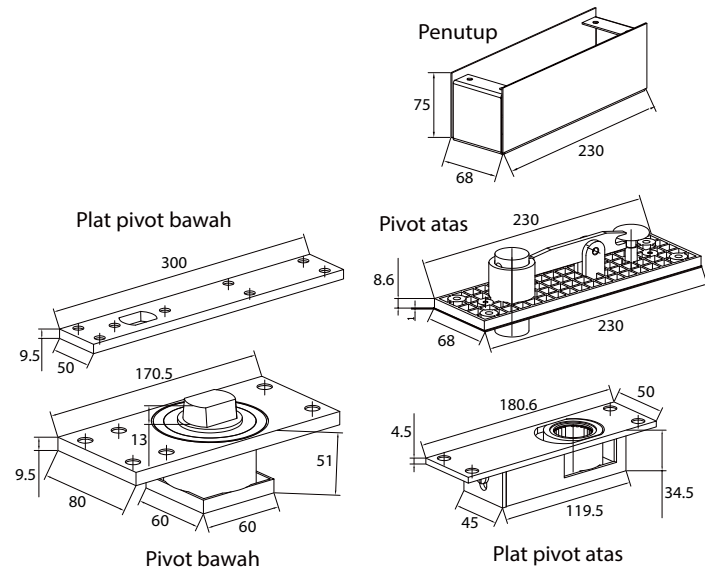
- High quality solid stainless steel SUS 304
- Rust & corrosion resistant
- Strong precise construction
- Ultra heavy duty
- 25 years mechanical warranty



INDOOR
INSTALLATION



APPLIED FOR
WOODEN OR
HEAVY METAL
DOORS



PIVOT HINGE 900 UP



Code	FINISHING
PVP 892	SSS

Max Door Weight : 900 kg
Max Door Width : 1500 mm
Min Door Thickness : 70 mm

FEATURES

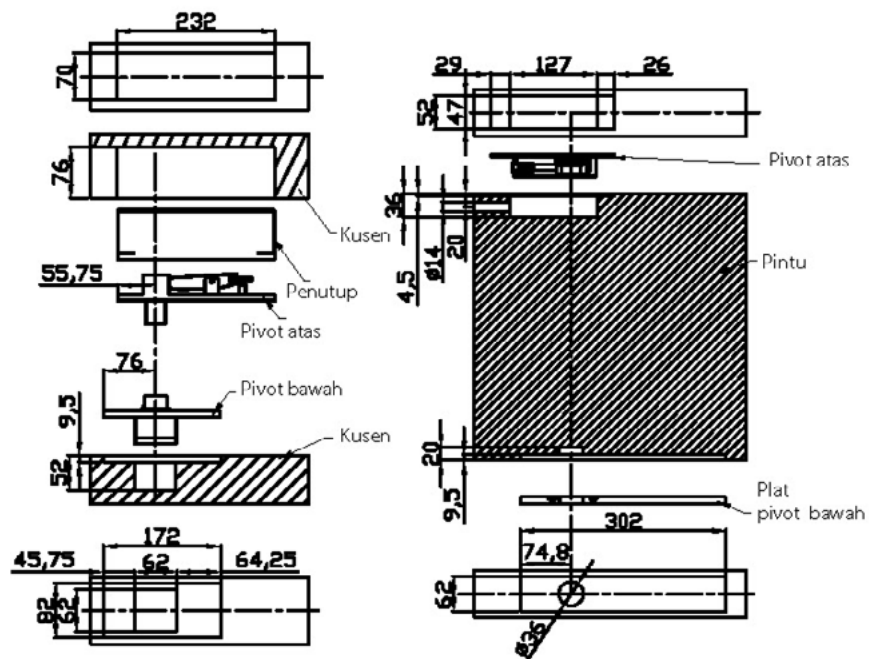
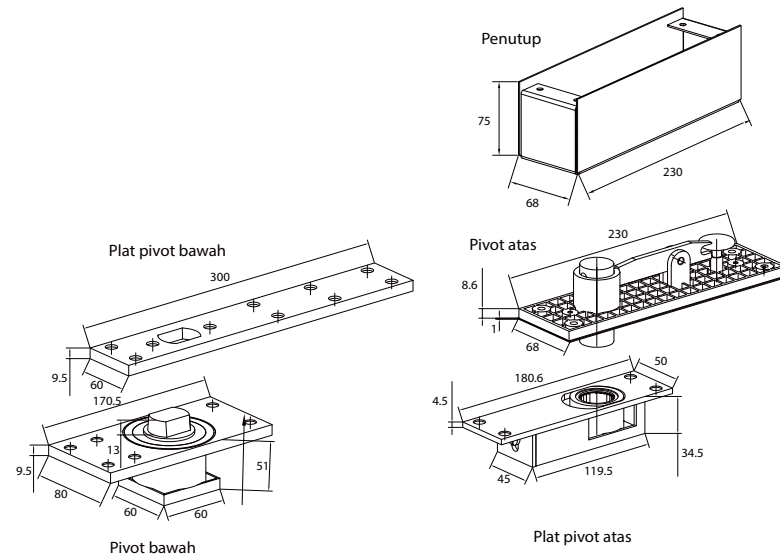
- High quality solid stainless steel SUS 304
- Rust & corrosion resistant
- Strong precise construction
- Ultra heavy duty
- 25 years mechanical warranty



INDOOR
INSTALLATION



APPLIED FOR
WOODEN OR
HEAVY METAL
DOORS



PIVOT HINGE 400 HD



Code	FINISHING
PVP 841	SSS

Max Door Weight : 400 kg
 Max Door Width : 1500 mm
 Min Door Thickness : 50 mm

FEATURES

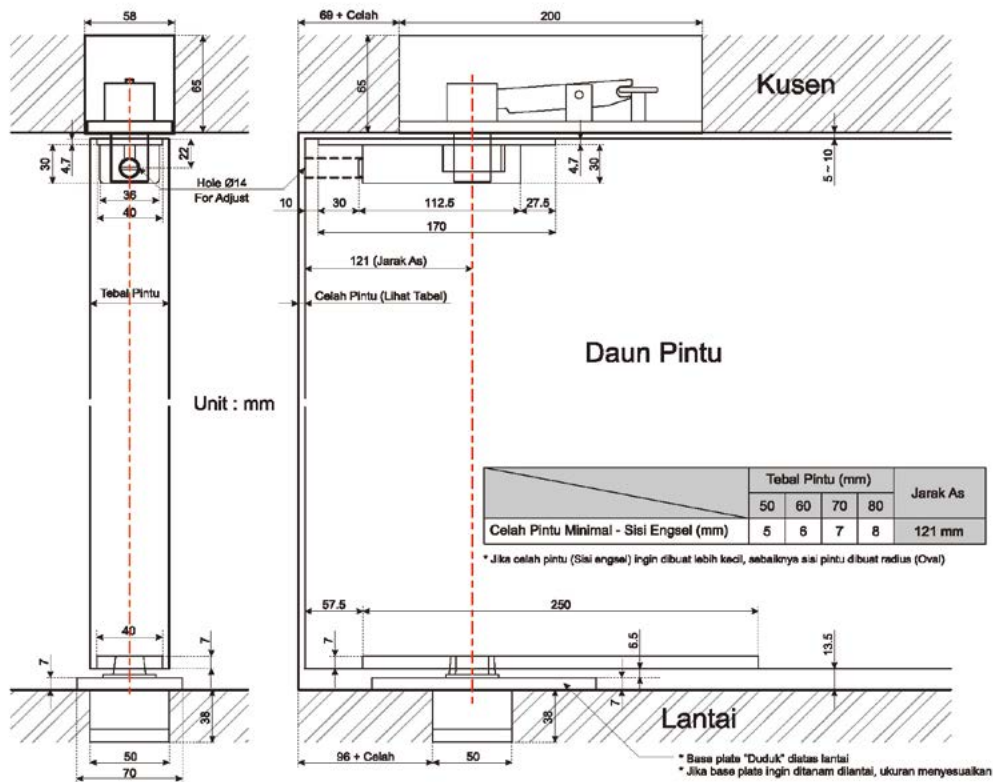
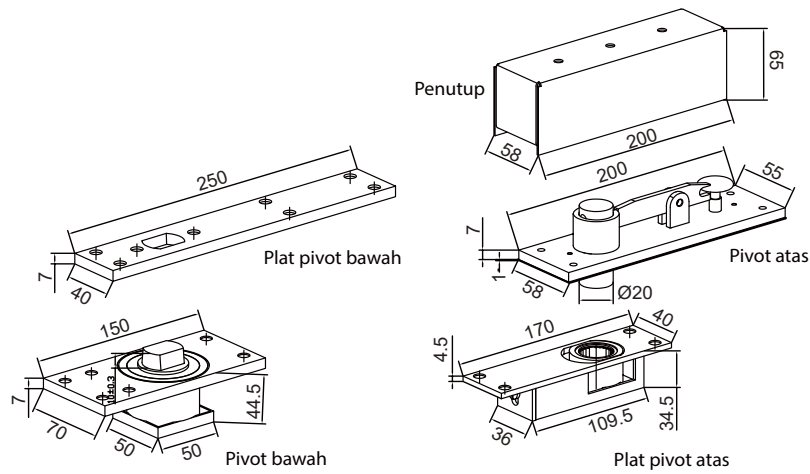
- High quality solid stainless steel SUS 304
- Rust & corrosion resistant
- Strong precise construction
- Ultra heavy duty
- 25 years mechanical warranty



INDOOR
INSTALLATION



APPLIED FOR
WOODEN OR
HEAVY METAL
DOORS



PIVOT HINGE 600 HD



Code	FINISHING
PVP 861	SSS

Max Door Weight : 600 kg
 Max Door Width : 1500 mm
 Min Door Thickness : 50 mm

FEATURES

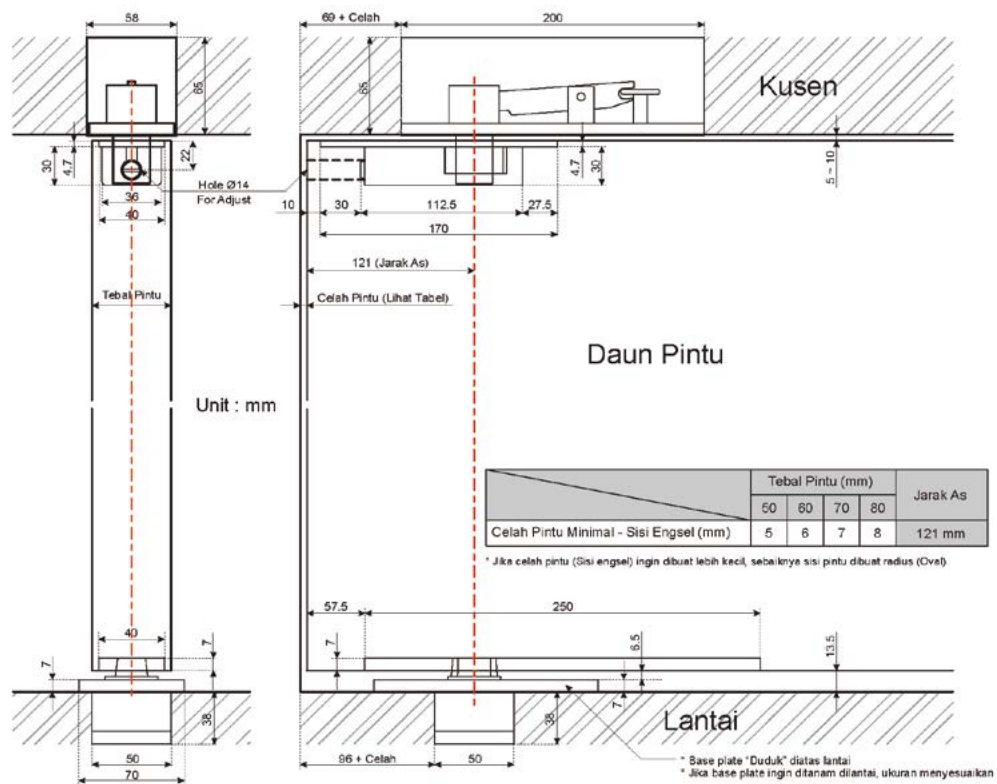
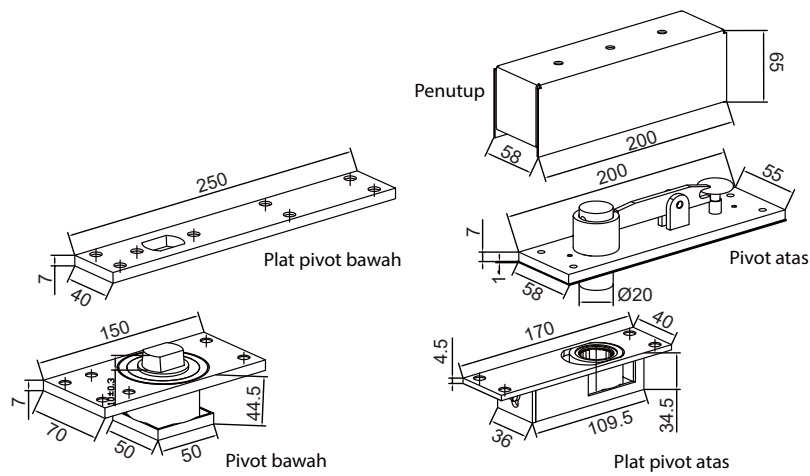
- High quality solid stainless steel SUS 304
- Rust & corrosion resistant
- Strong precise construction
- Ultra heavy duty
- 25 years mechanical warranty



INDOOR
INSTALLATION



APPLIED FOR
WOODEN OR
HEAVY METAL
DOORS



PIVOT HINGE 600 UP



Code	FINISHING
PVP 862	SSS

Max Door Weight : 600 kg
 Max Door Width : 1500 mm
 Min Door Thickness : 60 mm

FEATURES

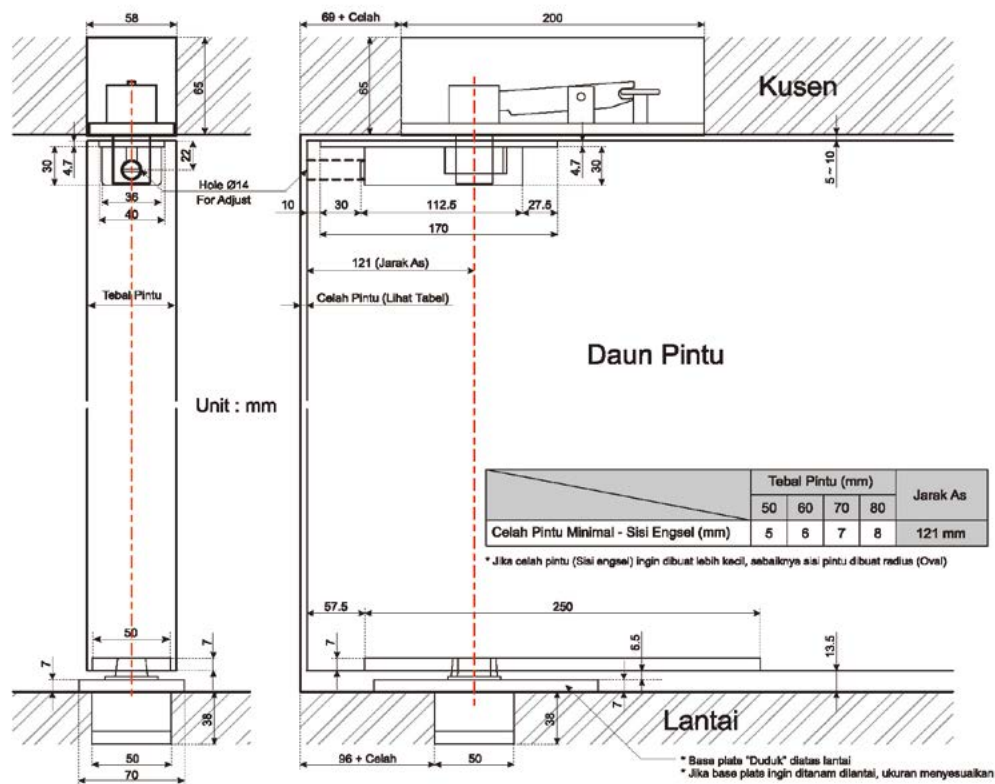
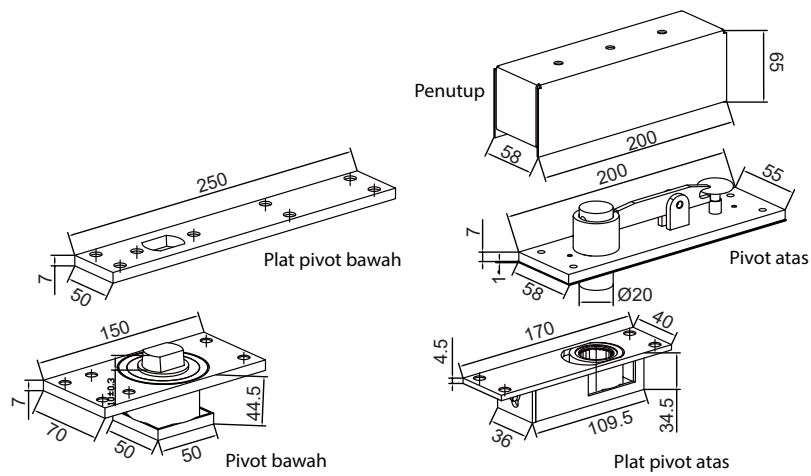
- High quality solid stainless steel SUS 304
- Rust & corrosion resistant
- Strong precise construction
- Ultra heavy duty
- 25 years mechanical warranty



INDOOR
INSTALLATION



APPLIED FOR
WOODEN OR
HEAVY METAL
DOORS



PIVOT HINGE 300 HD



Code	FINISHING
PVP 831	SSS

Max Door Weight	: 300 kg
Max Door Width	: 1500 mm
Min Door Thickness	: 55 mm

FEATURES

- High quality stainless steel SUS 304 + Steel
- Rust & corrosion resistant
- Strong precise construction
- Ultra heavy duty
- 10 years mechanical warranty



INDOOR
INSTALLATION



APPLIED FOR
WOODEN OR
HEAVY METAL
DOORS

PIVOT HINGE 800 HD



Code	FINISHING
PVP 881	SSS

Max Door Weight : 800 kg
 Max Door Width : 1500 mm
 Min Door Thickness : 80 mm

FEATURES

- High quality stainless steel SUS 304 + Steel
- Rust & corrosion resistant
- Strong precise construction
- Ultra heavy duty
- 10 years mechanical warranty

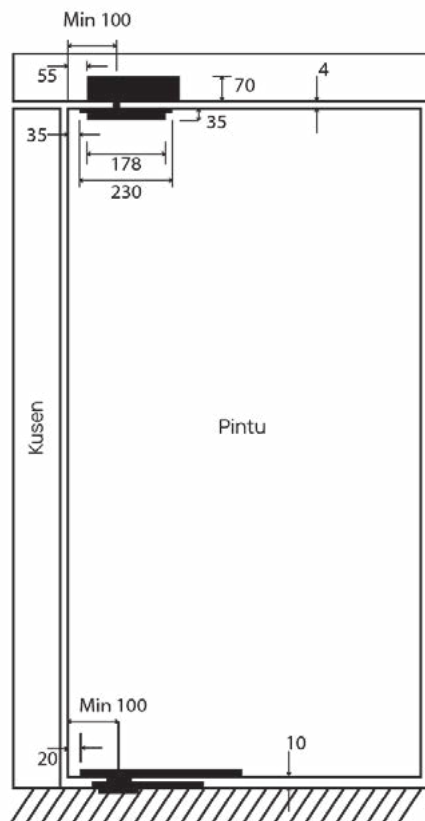
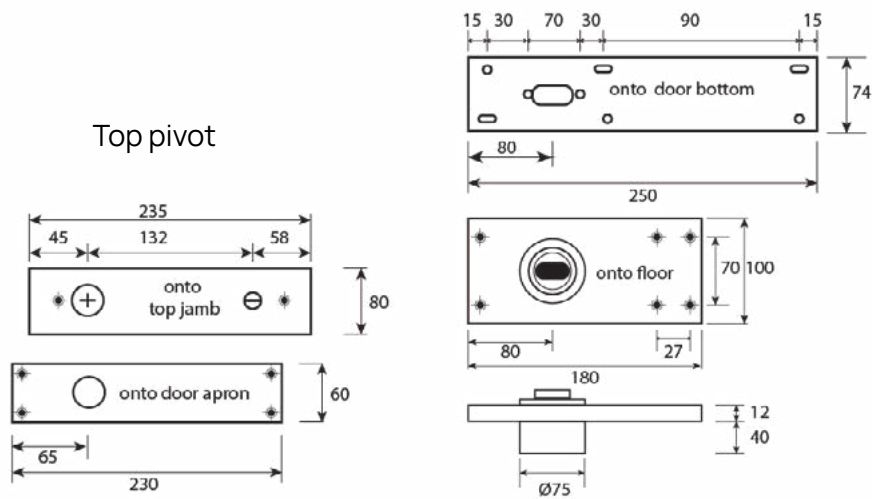


INDOOR
INSTALLATION



APPLIED FOR
WOODEN OR
HEAVY METAL
DOORS

Bottom pivot



Perhitungan celah pintu ke dinding:

T : Door thickness

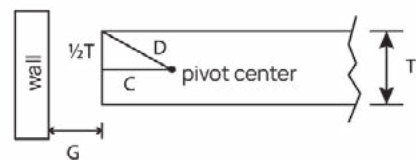
C : Pivot center to door edge

(min 60MM)

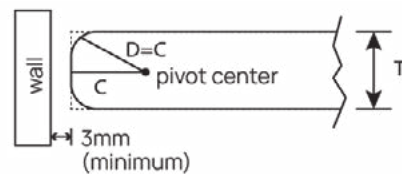
G : Door gap (wall to door)

$$D: \sqrt{(\frac{1}{2}T)^2 + C^2}$$

$$G: D - C + 3\text{MM (minimum)}$$



Catatan: Celah pintu terkecil 3mm dapat dicapai dengan pembulatan tepi pintu, sehingga $D = C$.



PIVOT HINGE 9985 HYDRAULIC



Code	FINISHING
PVP 901	NA+SSS

Max Door Weight : 85 kg
 Min-Max Door Width : 800 ~ 950 mm
 Min Door Thickness : 45 mm

FEATURES

- High quality stainless steel SUS 304 + Aluminium
- Rust & corrosion resistant
- High quality hydraulic system
- Strong precise construction
- Heavy duty
- 5 years mechanical warranty

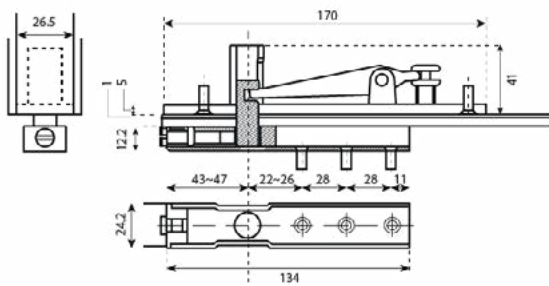


INDOOR
INSTALLATION

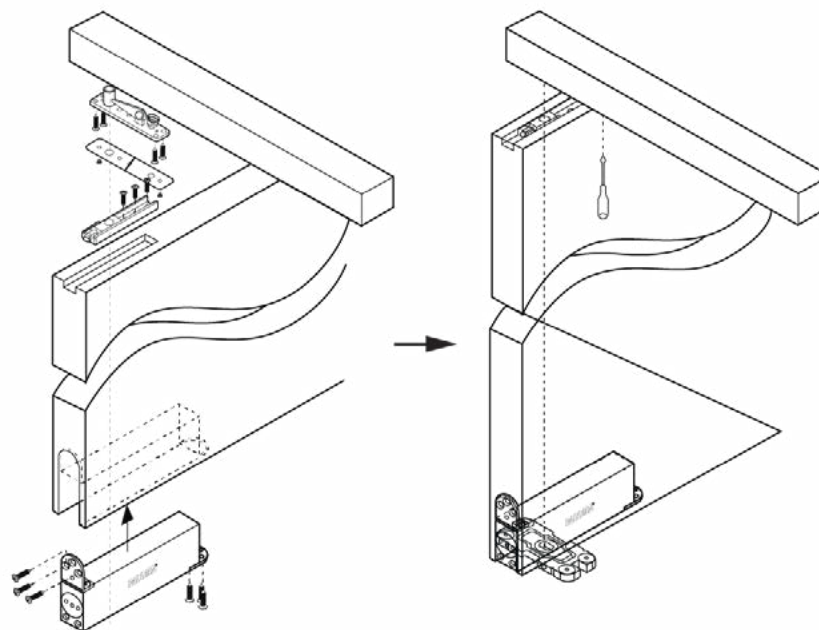
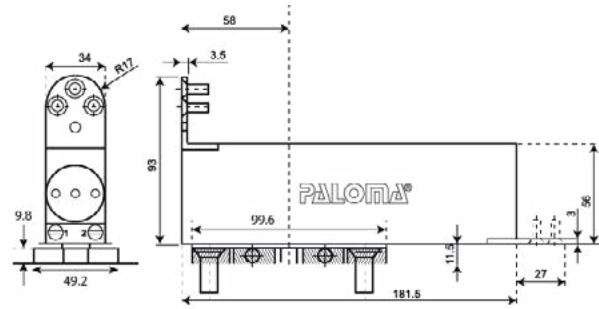


APPLIED FOR
WOODEN OR
HEAVY METAL
DOORS

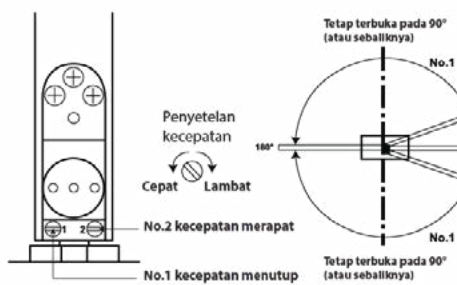
Top pivot



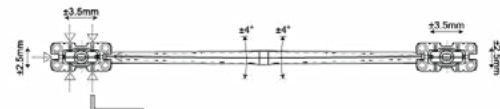
Bottom pivot



Cara Penyetelan Kecepatan Buka-Tutup Pintu



Penyesuaian Pintu



PIVOT HINGE 005



Code	FINISHING
PVP 501	SSS

Max Door Weight : 250 kg
 Max Door Width : 1100 mm
 Min Door Thickness : 40 mm

FEATURES

- High quality stainless steel SUS 304
- Rust & corrosion resistant
- Strong precise construction
- Heavy duty
- 10 years mechanical warranty

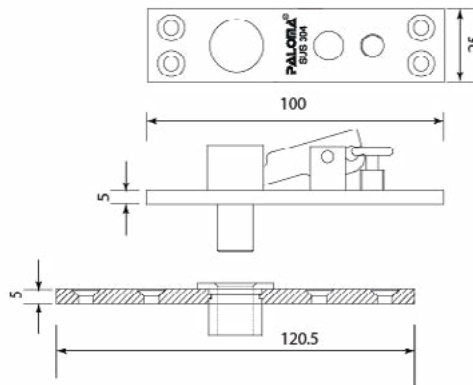


INDOOR
INSTALLATION

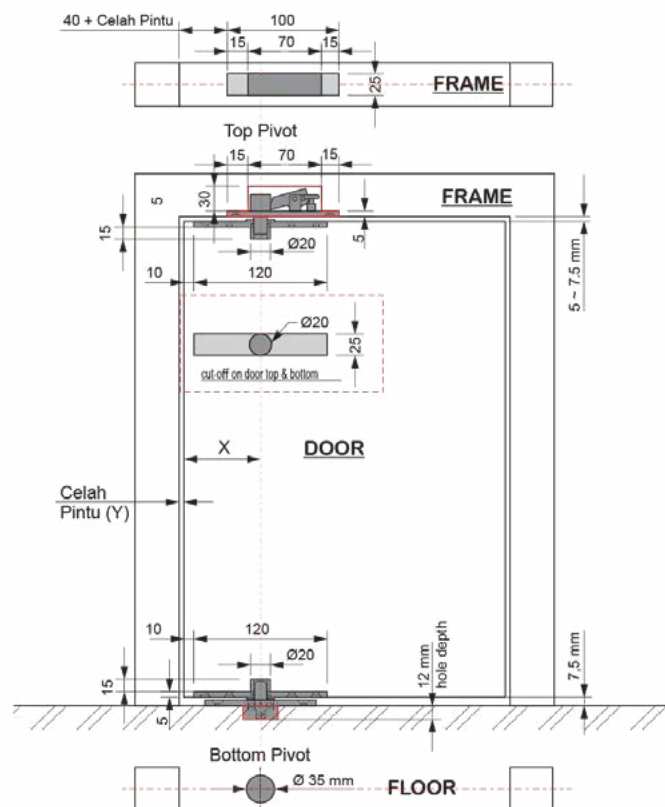
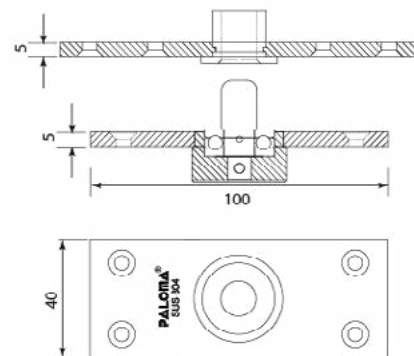


SUITABLE FOR
ALUMINIUM,
WOOD OR METAL
DOORS & FRAMES

Top pivot



Bottom pivot



	Tebal Pintu (mm)				Berat Pintu (maksimal)	Lebar Pintu (maksimal)	Jarak As (X) minimal
	40	50	60	70			
Celah Pintu (Y) Minimal Sisi Engsel (mm)	4	6	8	10	250 kg	1100 mm	70 mm

* Jika Lebar Pintu 1200 ~ 1400, maka Jarak As (X) minimal = 200 mm

* Jika Lebar Pintu 1500 ~ 1800, maka Jarak As (X) minimal = 300 mm

PIVOT HINGE 006 OFFSET



No.	Code	FINISHING
1.	PVP 601	SSS
2.	PVP 602	SSS

Max Door Weight : 120 kg
 Max Door Width : 1200 mm
 Min Door Thickness : 30 mm

FEATURES

- High quality stainless steel SUS 304 + Iron
- Rust & corrosion resistant
- Strong precise construction
- Heavy duty
- 10 years mechanical warranty

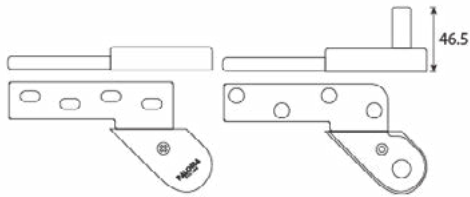


INDOOR
INSTALLATION

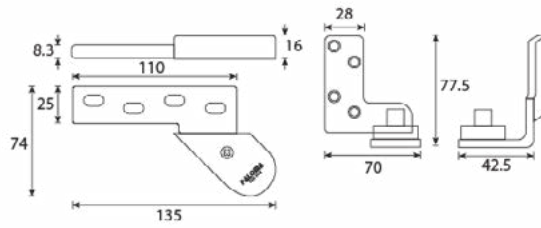


SUITABLE FOR
ALUMINIUM,
WOOD OR METAL
DOORS & FRAMES

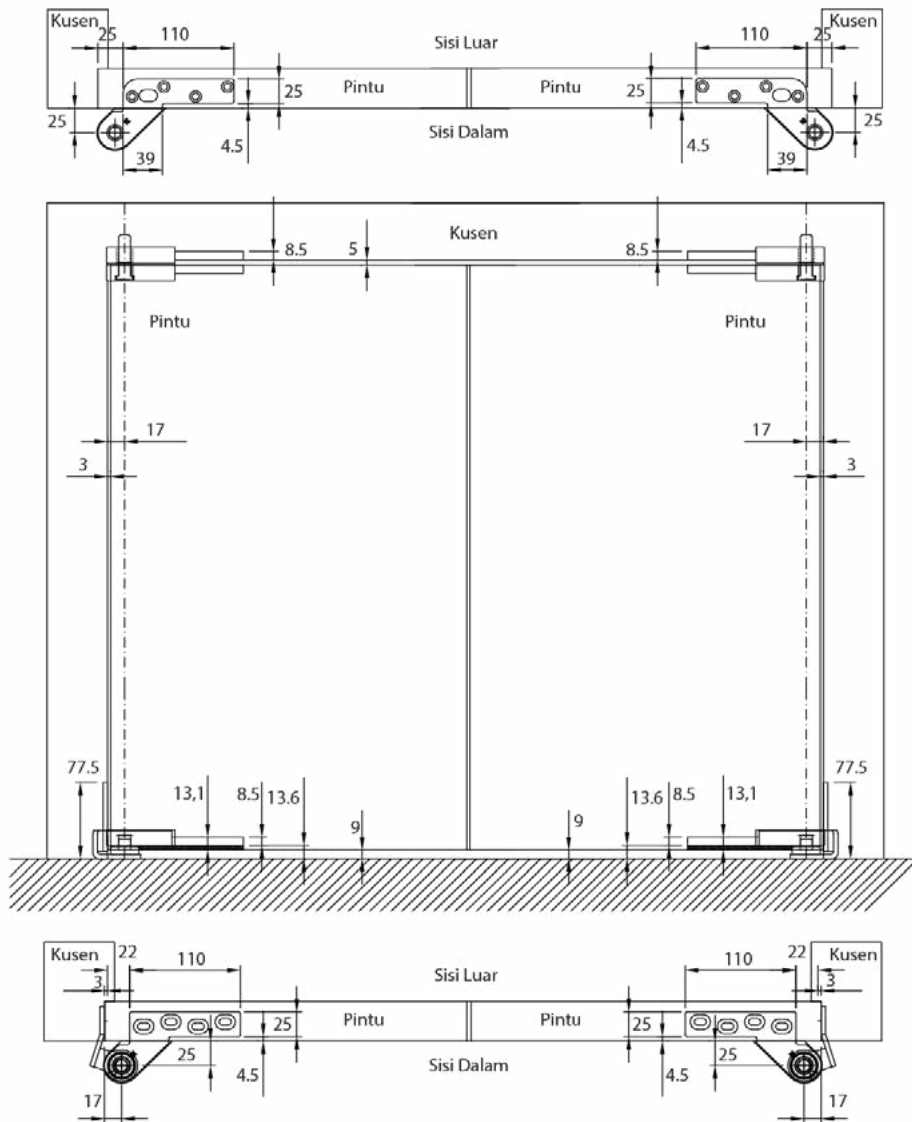
Top pivot



Bottom pivot



PEMASANGAN PIVOT PADA DUA PINTU (KANAN-KIRI)



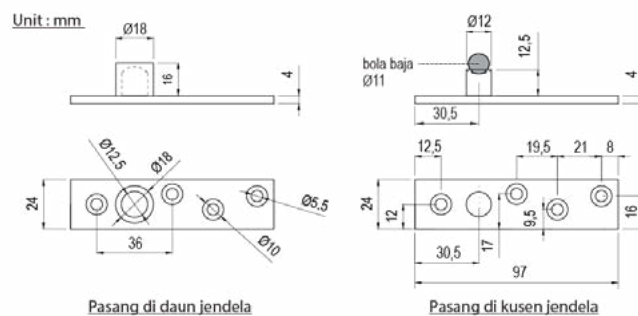
PIVOT HINGE 001



Code	FINISHING
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PVP 101	SSS
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Max Door Weight : 50 kg
Min Door Thickness : 30 mm



FEATURES

- High quality stainless steel SUS 304
- Rust & corrosion resistant
- Strong precise construction
- Heavy duty
- 10 years mechanical warranty

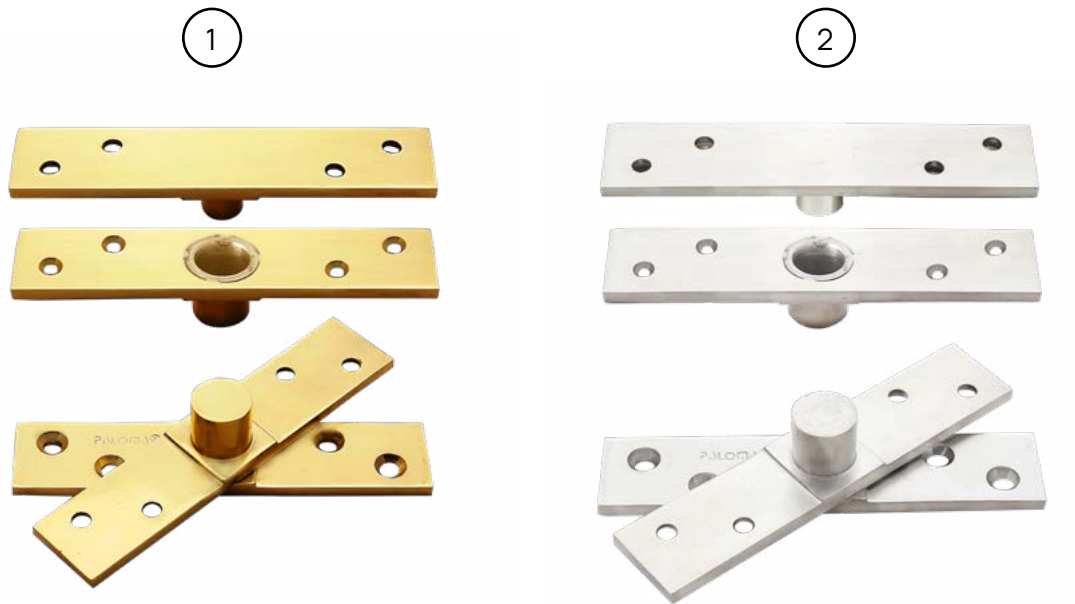


INDOOR
INSTALLATION



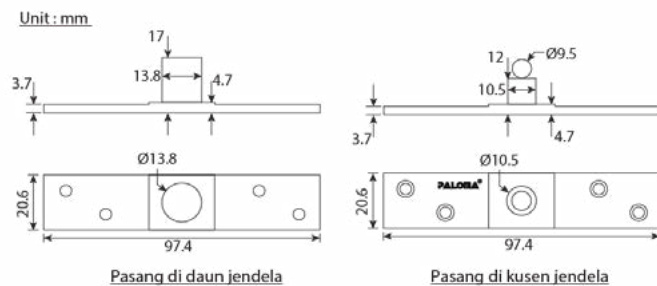
SUITABLE FOR
ALUMINIUM,
WOOD OR METAL
WINDOW

PIVOT HINGE 002



No.	Code	FINISHING
1.	PVP 201	PB
2.	PVP 202	SN

Max Door Weight : 45 kg
Min Door Thickness : 30 mm



FEATURES

- High grade brass material
- Anti rust & corrosion
- Strong precise construction
- Heavy duty
- 10 years mechanical warranty



INDOOR
INSTALLATION



SUITABLE FOR
ALUMINIUM,
WOOD OR METAL
WINDOW



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