



difful

by SUGATSUNE

Japanese Design & Engineering



Made In India



CABINET CONCEALED HINGE DIGEST

With damper function (5 levels)



Damper power adjustment lever

Olympia Thick Door hinge

Full Overlay	Half Overlay	Inset
22-26 mm	12-16 mm	-
Cup Dia $\phi 40$ Bore Depth 15mm Door Thickness 18~30mm		
3D adjustment Depth ± 1.7 mm, vertical ± 2.5 mm, Overlay : +0, -4mm		

With damper function (5 levels)

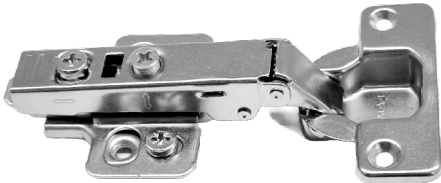


Damper power adjustment lever

Olympia hinge

Full Overlay	Half Overlay	Inset
15-19 mm	5-9 mm	-
Cup Dia $\phi 35$ Bore Depth 11mm Door Thickness 15~20mm		
3D adjustment Depth: ± 1.5 mm, Vertical: ± 2.5 mm, Overlay : +0, -4mm		

Built in Damper



180 Series Hinge

Full Overlay	Half Overlay	Inset
19 mm	9 mm	-
Cup Dia $\phi 35$ Bore Depth 11.5mm Door Thickness 12~22mm		
3D adjustment Depth ± 2 mm, vertical ± 2 mm, Overlay ± 3 mm		

Built in Damper



151 Series Hinge

Full Overlay	Half Overlay	Inset
19 mm	10 mm	-
Cup Dia $\phi 35$ Bore Depth 12mm Door Thickness 14~20mm		
3D adjustment Depth $\pm 3/-0.5$ mm, Vertical ± 2 mm, Overlay +0/-4mm		



The J160 - Ultimate solution for wider & heavy doors with 160° opening accompanied with soft closing feature



THE J95 - A BIGGER STRONGER CONCEALED HINGE

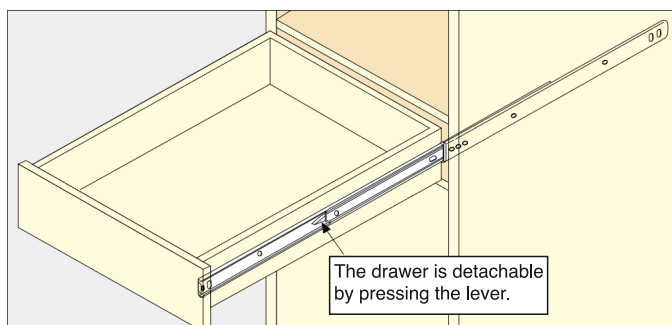
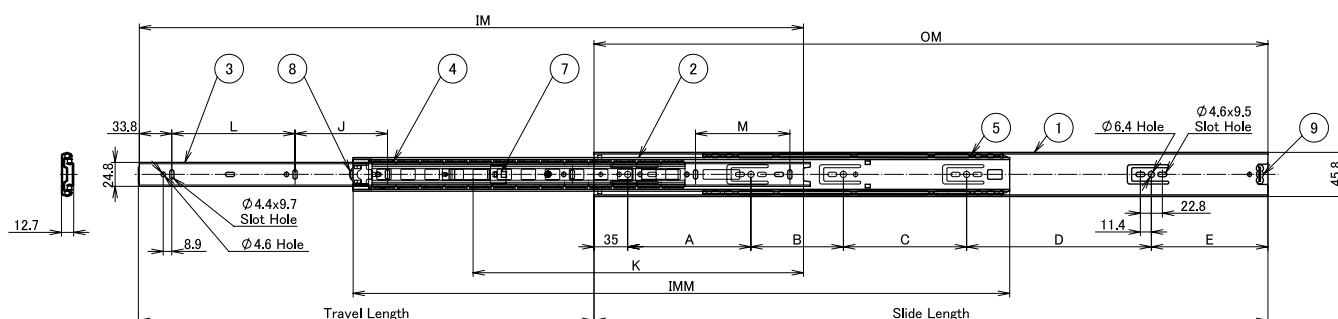
For more details, kindly refer cabinet concealed hinge catalogue from our website link as follows

https://www.sugatsune-intl.com/digital-book/in/chcp_in/



FULL EXTENSION SLIDE

DFDS-45



Installation

Features

- Full extension (3 members).
- The drawer is detachable by pressing the lever.
- With a bumper to avoid metal-to-metal noise at the end of the course.

No.	Part Name	Material	Finish	QTY
1	Outer Rail	SPCC	Gloss Chromete Finish(Trivalent)	1
2	Intermediate Member	SPCC	Gloss Chromete Finish(Trivalent)	1
3	Inner Rail	SPCC	Gloss Chromete Finish(Trivalent)	1
4	Ball Retainer A	SGCC	Gloss Chromete Finish(Trivalent)	1
5	Ball Retainer B	PA	-	2
6	Ball Bearings	Steel	-	48
7	Disconnect Button	POM	-	1
8	Bumper	PA	-	1
9	Detent	PVC	-	1

Sold in pairs (2 pcs)

Item Code	Item Name	Slide Length	Travel Length	OM Length	IMM Length	IM Length	A	B	C	D	E	J	K	L	M	Load Rating N(kgf) / Pair	Weight	Box
190-055-408	DFDS-45-250	250	250	250	232	247	128	-	-	-	87	-	91	-	-	392 (40)	760g	10 pairs
190-055-409	DFDS-45-300	300	300	300	282	297	128	96	-	-	41	-	111.5	-	-		910g	10 pairs
190-055-410	DFDS-45-350	350	350	350	332	347	128	96	-	-	91	-	135.5	-	-		1060g	10 pairs
190-055-411	DFDS-45-400	400	400	400	382	397	128	96	96	-	45	214	159	128	-		1210g	10 pairs
190-055-412	DFDS-45-450	450	450	450	432	447	128	96	128	-	63	192	184.5	128	72		1360g	10 pairs
190-055-413	DFDS-45-500	500	500	500	482	497	128	96	192	-	49	192	206.5	128	122		1510g	10 pairs
190-055-414	DFDS-45-550	550	550	550	532	547	128	96	128	96	67	287.7	230.5	128	76		1660g	10 pairs
190-055-415	DFDS-45-600	600	600	600	582	597	128	96	128	128	85	96	256	128	126		1810g	10 pairs

BALL BEARING HINGE DFHG Stainless Steel



- The built-in ball bearings allow for smooth movement.



[Applications]

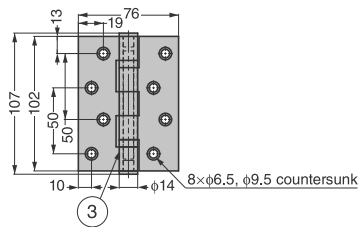
- Fire doors, outside/inside doors, industrial doors

[Parts Included]

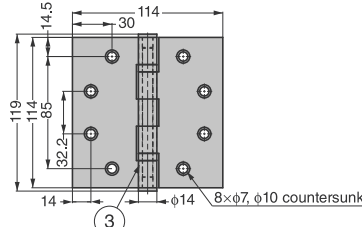
- Cross-recessed countersunk screws 4.9×32 (stainless steel)

[Remarks]

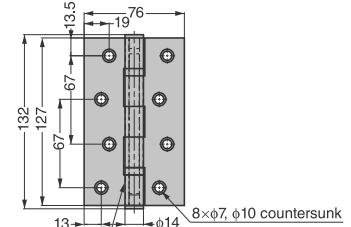
- When mounting on sheet metal, spot facing of the enclosure is required.
- The shaft is not removable.



DFHG-4030BSS



DFHG-4545BSS



DFHG-5030BSS

No.	Part Name	Material	Finish
①	Body A	Stainless Steel (SS304)*	Satin
②	Shaft	Stainless Steel (SUS304)	-
③	Ball Bearing		

*ASTM standard AISI 304: SUS304 equivalent

RoHS	CAD	Item Code	Item Name	Load Capacity N/2 (pcs)	Load Capacity kgf/2 (pcs)	Weight g	Box (pcs)	Carton (pcs)
●	●	170-048-112	DFHG-4030BSS	392	40	260	2	30
●	●	170-048-114	DFHG-4545BSS	441	45	320	2	30
●	●	170-048-113	DFHG-5030BSS	490	50	380	2	30

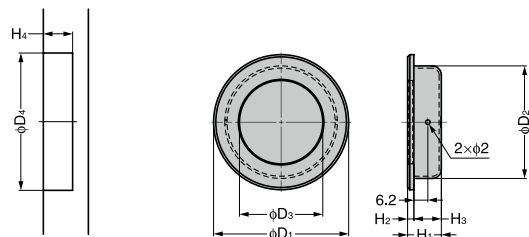
STAINLESS STEEL RECESSED PULL DFHH-R



- Has a lip designed for comfortable operation and facilitates grasping the pull with fingertips.



[Cut Out Dimensions]



RoHS	CAD	Item Code	Item Name	Material	Finish/Colour	D ₁	D ₂	D ₃	D ₄	H ₁	H ₂	H ₃	H ₄	Weight (g)
●	●	100-049-755	DFHH-R50SH	Stainless Steel (SUS304)	Satin	50	40	27	42	15	2.8	12.2	13	40
●	●	100-049-756	DFHH-R50BL		Paint/Black									
●	●	100-049-757	DFHH-R60SH		Satin	60	50	37	52	17	3	14.2	15	53
●	●	100-049-758	DFHH-R60BL		Paint/Black									
●	●	100-049-759	DFHH-R80SH		Satin	80	62	50	64					95
●	●	100-049-760	DFHH-R80BL		Paint/Black									

STAINLESS STEEL RECESSED PULL DFHH-DS170

SUS



- Grips on both sides allow the door to be moved in either direction.

[Parts Included]

- Countersunk truss head screw M4×14 (for wood installation)

[Sold Separately]

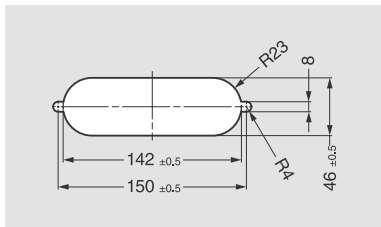
- Spacer BSP-8 (for sheet metal)

[Recommended Screws]

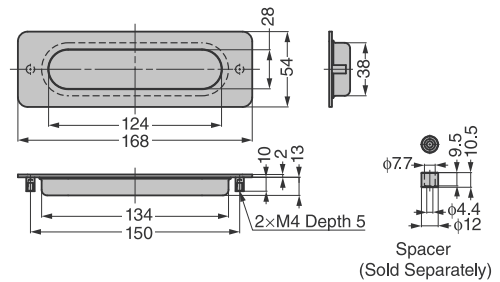
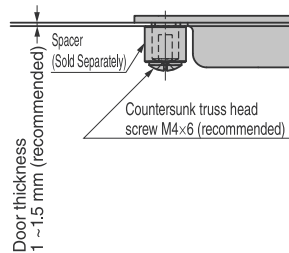
- Countersunk truss head screw M4×6 (for sheet metal)

*Door thickness 1 ~ 1.5 mm

[Cut Out Dimensions for Sheet Metal]



[Installation Specs for Sheet Metal]



[Body]

RoHS	CAD	Item Code	Item Name	Material	Finish/Colour	Weight (g)
—	3D	100-049-761	DFHH-DS170SH	Stainless Steel (SUS304)	Satin	125
—	3D	100-049-762	DFHH-DS170BL		Paint/Black	

Spacer (Sold Separately)

RoHS	CAD	Item Code	Item Name	Material	Finish
—	3D	100-019-635	BSP-8	Steel (SUM)	Coloured Chromate

STAINLESS STEEL RECESSED PULL DFHH-KS170

SUS



- Grips on both sides allow the door to be moved in either direction.

[Parts Included]

- Countersunk truss head screw M4×14 (for wood installation)

[Sold Separately]

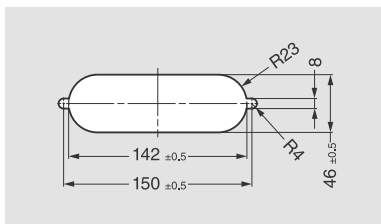
- Spacer BSP-8 (for sheet metal)

[Recommended Screws]

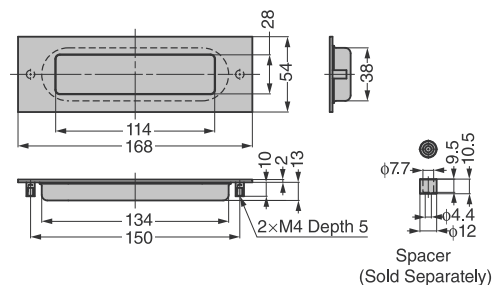
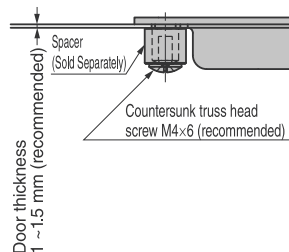
- Countersunk truss head screw M4×6 (for sheet metal)

*Door thickness 1 ~ 1.5 mm

[Cut Out Dimensions for Sheet Metal]



[Installation Specs for Sheet Metal]



[Body]

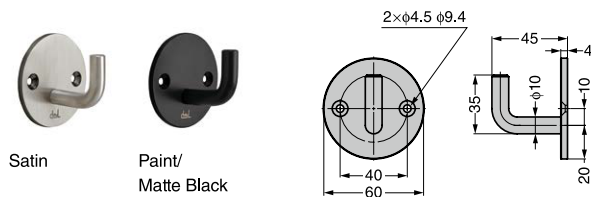
RoHS	CAD	Item Code	Item Name	Material	Finish/Colour	Weight (g)
—	3D	100-049-763	DFHH-KS170SH	Stainless Steel (SUS304)	Satin	140
—	3D	100-049-764	DFHH-KS170BL		Paint/Black	

Spacer (Sold Separately)

RoHS	CAD	Item Code	Item Name	Material	Finish
—	3D	100-019-635	BSP-8	Steel (SUM)	Coloured Chromate

STAINLESS STEEL HOOK DFHK-RWS60 Single Type

TEST METHOD 4 SUS



- A stainless steel hook with a thick base and robust hook arm.
- The attached screws have the same finish as the body.

[Applications]

- Hook for both indoor and outdoor use, such as hanging cords for industrial equipment, etc.

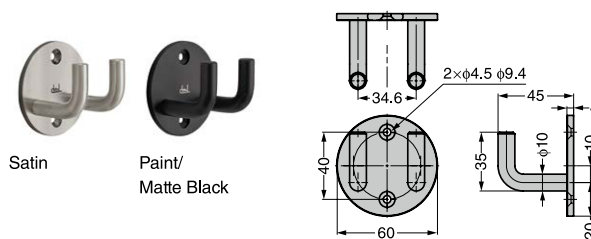
[Parts Included]

- Cross-recessed flat head tapping screws 4.1×20 (for stainless steel)

RoHS	CAD	Item Code	Item Name	Finish/Colour	Material	Load Capacity N	Load Capacity kgf	Box (pcs)	Carton (pcs)
		110-048-703	DFHK-RWS60-SS	Satin	Stainless Steel (SUS304)	250	25.5	6	60
		110-049-428	DFHK-RWS60-BL	Paint/Matte Black					

STAINLESS STEEL HOOK DFHK-RWD60 Twin Type

TEST METHOD 4 SUS



- A stainless steel hook with a thick base and robust hook arm.
- The attached screws have the same finish as the body.

[Applications]

- Hook for both indoor and outdoor use, such as hanging cords for industrial equipment, etc.

[Parts Included]

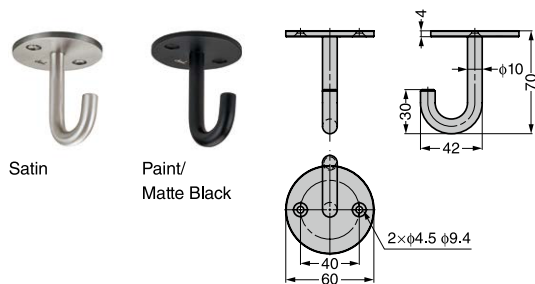
- Cross-recessed flat head tapping screws 4.1×20 (for stainless steel)

RoHS	CAD	Item Code	Item Name	Finish/Colour	Material	Load Capacity N	Load Capacity kgf	Box (pcs)	Carton (pcs)
		110-048-704	DFHK-RWD60-SS	Satin	Stainless Steel (SUS304)	250	25.5	6	60
		110-049-429	DFHK-RWD60-BL	Paint/Matte Black					

*Load capacity is the total for two hooks.

STAINLESS STEEL TOP MOUNT HOOK DFHK-RWT60

TEST METHOD 4 SUS



- A stainless steel hook with a thick base and robust hook arm.
- The U-shaped hook makes hanging easy.
- The attached screws have the same finish as the body.

[Applications]

- Hook for both indoor and outdoor use, such as hanging cords for industrial equipment, etc.

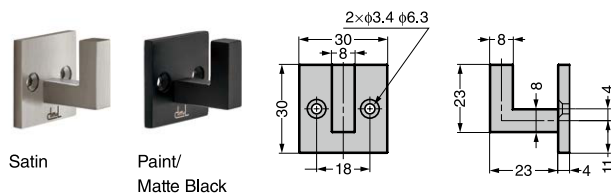
[Parts Included]

- Cross-recessed flat head tapping screws 4.1×20 (for stainless steel)

RoHS	CAD	Item Code	Item Name	Finish/Colour	Material	Load Capacity				Box (pcs)	Carton (pcs)
						Flat Horizontal Mounting N	Flat Horizontal Mounting kgf	Top Mounting N	Top Mounting kgf		
		110-048-705	DFHK-RWT60-SS	Satin	Stainless Steel (SUS304)	250	25.5	100	10.2	8	80
		110-049-430	DFHK-RWT60-BL	Paint/Matte Black							

STAINLESS STEEL HOOK DFHK-SQ30

TEST METHOD 4 SUS



- A compact, simply designed hook with a thick base and precisely shaped hook arm.
- The attached screws have the same finish as the body.

[Parts Included]

- Cross-recessed flat head tapping screws 3.1×20 (for stainless steel)

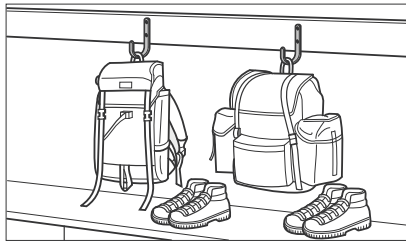
RoHS	CAD	Item Code	Item Name	Finish/Colour	Material	Load Capacity N	Load Capacity kgf	Box (pcs)	Carton (pcs)
		110-048-706	DFHK-SQ30-SS	Satin	Stainless Steel (SUS304)	100	10.2	25	250
		110-049-431	DFHK-SQ30-BL	Paint/Matte Black					

STAINLESS STEEL BIG HOOK DFHK-BJ

TEST METHOD 4 SUS



[Application Example]



- The simple shape made of robust stainless steel harmonizes with a variety of spaces.

[Applications]

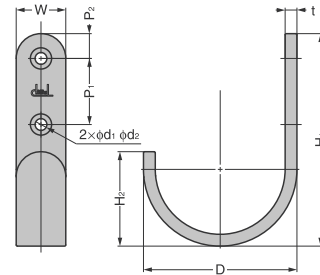
- Hook for both indoor and outdoor use, such as hanging cords for industrial equipment, etc.

[Remarks]

- The load capacity value indicates the strength of the hook itself and may vary according to the installation wall surface or housing material. Install in a location with sufficient strength or reinforcement.

[Parts Included]

- DFHK-BJ90: Cross-recessed flat head tapping screws 4×30 (for stainless steel)
- DFHK-BJ135, DFHK-BJ165: Cross-recessed flat head tapping screws 5×30 (for stainless steel)
- The screw heads have the same finish as the hook.



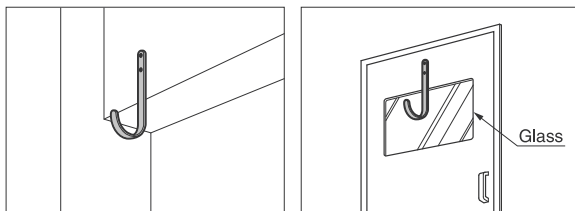
RoHS	CAD	Item Code	Item Name	Material	Finish/Colour	D	W	H ₁	H ₂	P ₁	P ₂	t	d ₁	d ₂	Load Capacity N	Load Capacity kgf	Weight (g)	Box (pcs)	Carton (pcs)
✓	3D	110-051-085	DFHK-BJ90-SH	Stainless Steel (SUS304)	Satin	65	21	90	40	28	10.5	5	5	9	200	20.4	126	8	80
✓	3D	110-051-086	DFHK-BJ90-BL		Paint/Matte Black	65	21	90	40	28	10.5	5	5	9				8	80
✓	3D	110-051-087	DFHK-BJ135-SH		Satin	100	23	135	60	38	15	6	6	11				4	40
✓	3D	110-051-088	DFHK-BJ135-BL		Paint/Matte Black	100	23	135	60	38	15	6	6	11				4	40
✓	3D	110-051-089	DFHK-BJ165-SH		Satin	125	25	165	75	55					150	15.3	349	4	32
✓	3D	110-051-090	DFHK-BJ165-BL		Paint/Matte Black	125	25	165	75	55								4	32

STAINLESS STEEL BIG HOOK DFHK-BJL Long Type

TEST METHOD 4 SUS



[Application Example]



- The simple shape made of robust stainless steel harmonizes with a variety of spaces.

[Applications]

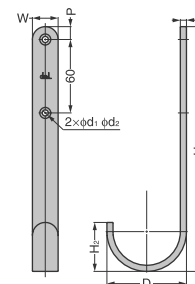
- Hook for both indoor and outdoor use, such as hanging cords for industrial equipment, hanging in high places such as beams, etc.

[Remarks]

- The load capacity value indicates the strength of the hook itself and may vary according to the installation wall surface or housing material. Install in a location with sufficient strength or reinforcement.

[Parts Included]

- DFHK-BJL200: Cross-recessed flat head tapping screws 4×30 (for stainless steel)
- DFHK-BJL275, DFHK-BJL335: Cross-recessed flat head tapping screws 5×30 (for stainless steel)
- The screw heads have the same finish as the hook.



RoHS	CAD	Item Code	Item Name	Material	Finish/Colour	D	W	H ₁	H ₂	P	t	d ₁	d ₂	Load Capacity N	Load Capacity kgf	Weight (g)	Box (pcs)	Carton (pcs)
✓	3D	110-051-091	DFHK-BJL200-SH	Stainless Steel (SUS304)	Satin	65	21	200	40	10.5	5	5	9	200	20.4	219	4	32
✓	3D	110-051-092	DFHK-BJL200-BL		Paint/Matte Black	65	21	200	40	10.5	5	5	9				4	32
✓	3D	110-051-093	DFHK-BJL275-SH		Satin	100	23	275	60	15	6	6	11				4	32
✓	3D	110-051-094	DFHK-BJL275-BL		Paint/Matte Black	100	23	275	60	15	6	6	11				4	32
✓	3D	110-051-095	DFHK-BJL335-SH		Satin	125	25	335	75					150	15.3	544	4	16
✓	3D	110-051-096	DFHK-BJL335-BL		Paint/Matte Black	125	25	335	75								4	16



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