

Roto Fasco Heavy Duty 4-bar Hinges

Engineered for optimum, long-lasting performance, these heavy duty 4-bar hinges are available for a wide range of wood, vinyl, and aluminum windows. They also feature a 16-17 mm stack height and offer both offset and loose-rivet options across all models.



Features & Benefits

- Multiple stop positions for oversized windows
- All hinges sold in pairs
- Made from 304 SST for extra corrosion resistance
- Composite steel/plastic slider for strength, durability, and smooth operation
- Cycle tested to 50,000 cycles with no loss of function
- Tested and approved to FGIA AAMA 904-21
- Self-balancing options for greater wind resistance

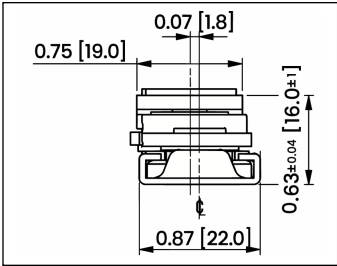
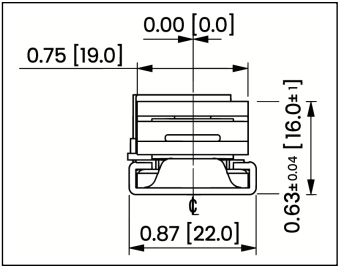
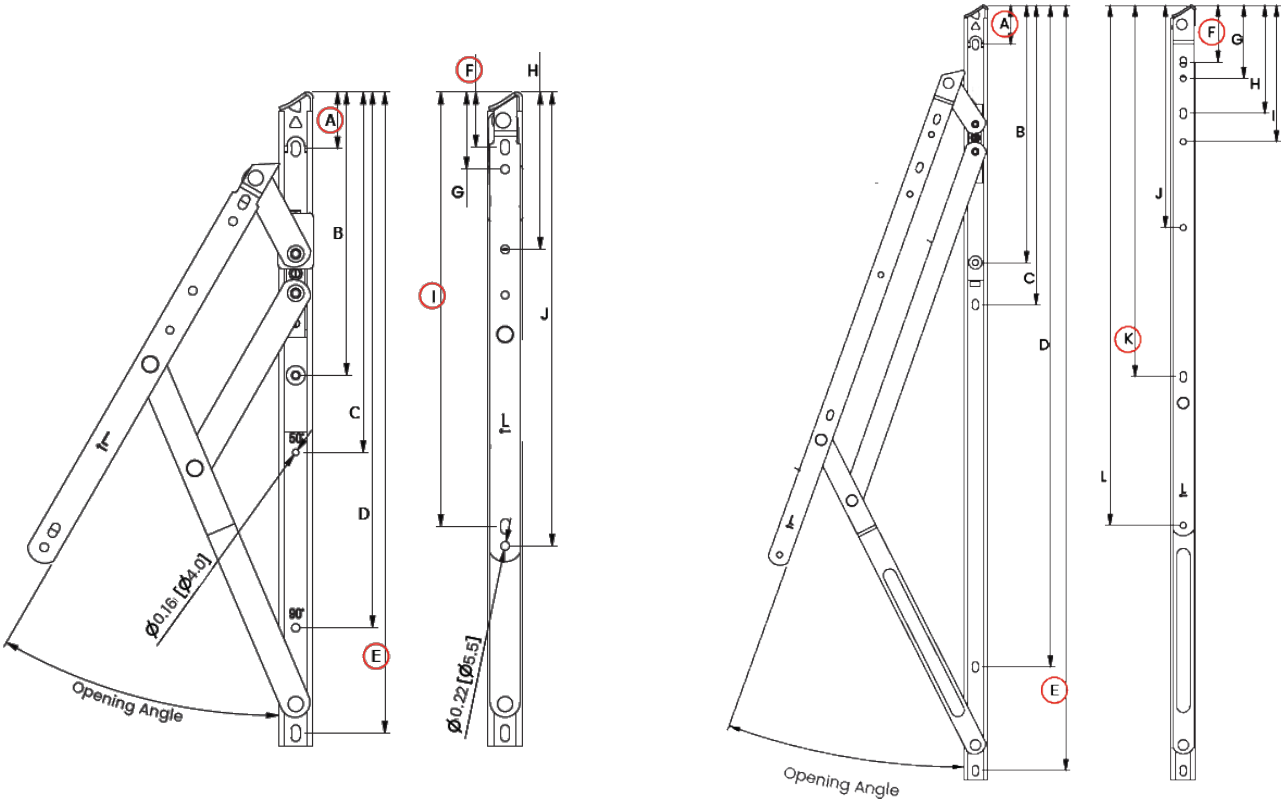
Window Type	Part Number	Description	Application	Length	Opening Angle	Max. Weight	Max. Width
Casement / Side Hung	2056154	HD10 R 304	Inline	10.35"	50° or 84°	76 lbs.	26"
	2056163	HD10 R LR 304					
	2056159	HD10 R OS 304	Offset	10.39"			
	2056167	HD10 R OS LR 304					
	2056155	HD16 R 304	Inline	16.38"	30°, 50 or 84°	95.5 lbs.	30"
	2056164	HD16 R LR 304					
	2056160	HD16 R OS 304	Offset	16.42"			
	2056168	HD16 R OS LR 304					
Awning / Top Hung	2056154	HD10 R 304	Inline	10.35"	50° or 84°	110 lbs. @ 50° 88 lbs. @ 84°	26"
	2056163	HD10 R LR 304					
	2056159	HD10 R OS 304	Offset	10.39"			
	2056167	HD10 R OS LR 304					
	2056155	HD16 R 304	Inline	16.38"	30°, 50 or 84°	220 lbs. @ 30° 132 lbs. @ 50° 110 lbs. @ 90°	32"
	2056164	HD16 R LR 304					
	2056160	HD16 R OS 304	Offset	16.42"			
	2056168	HD16 R OS LR 304					
	2056156	HD22 SB 304	Inline	22.33"	20° or 40°	220 lbs. @ 20° 176 lbs. @ 40°	59"
	2056165	HD22 SB LR 304					
	2056161	HD22 SB OS 304	Offset	22.37"			
	2056169	HD22 SB OS LR 304					
	2056158	HD28 304	Inline	27.89"	20°	220 lbs. @ 20°	87"
	2056166	HD28 LR 304					
	2056162	HD28 OS 304	Offset	27.93"			
	2056170	HD28 OS LR 304					

R = Restricted | **LR** = Loose Rivet | **OS** = Offset | **SB** = Self Balancing | **HD** = Heavy Duty | **10 - 28** Indicate length

Fixing Hole Details

Application	Part Number	Description	A	B	C	D	E	F	G	H	I	J	K	L
Inline	2056154	HD10 R 304	1.44"	-	6.65"	8.44"	10.02"	1.36"	1.91"	-	7.40"	8.35"	-	-
	2056155	HD16 R 304	1.42"	7.09"	9.01"	13.41"	16.04"	1.38"	1.93"	3.94"	10.87"	11.36"	-	-
	2056156	HD22 SB 304	1.42"	9.08"	12.70"	19.77"	22.00"	1.39"	1.93"	-	3.94"	9.85"	14.66"	15.16"
	2056158	HD28 304	1.42"	9.27"	10.79"	23.84"	27.58"	2.05"	2.64"	3.90"	4.92"	8.01"	13.38"	18.74"
Offset	2056159	HD10 R OS 304	1.47"	-	6.69"	8.48"	10.06"	1.40"	1.95"	-	7.44"	8.38"	-	-
	2056160	HD16 R OS 304	1.46"	7.12"	9.05"	13.44"	16.07"	1.42"	1.97"	3.98"	10.90"	11.40"	-	-
	2056161	HD22 SB OS 304	1.46"	9.12"	12.74"	19.81"	22.04"	1.43"	1.97"	-	3.98"	9.89"	14.70"	15.20"
	2056162	HD28 OS 304	1.46"	9.31"	10.83"	23.88"	27.62"	2.09"	2.68"	3.94"	4.96"	8.05"	13.42"	18.78"

* LR versions have the same fixing hole details as the equivalent size of the non-LR hinge



Roto Fasco Heavy Duty 4-bar Self-Balancing Hinges

Engineered for optimum, long-lasting performance, these heavy duty 4-bar hinges are available for a wide range of wood, vinyl, and aluminum windows. They also feature a 16-17 mm stack height and offer both offset and loose-rivet options across all models.



Features & Benefits

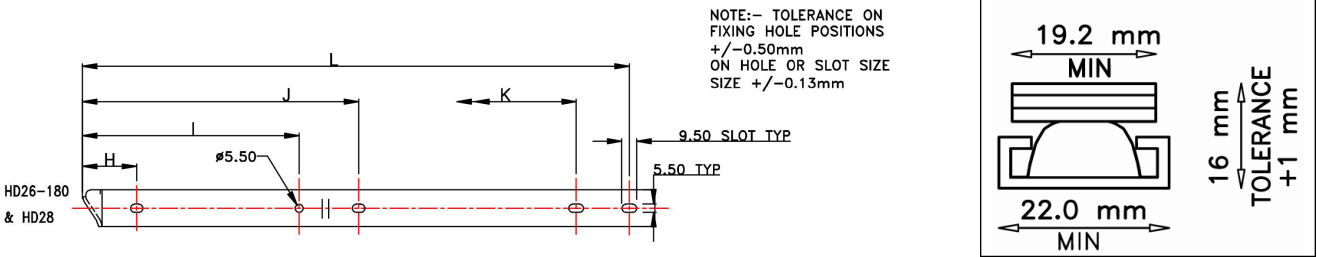
- Multiple stop positions for oversized windows
- All hinges sold in pairs
- Made from 304 SST for extra corrosion resistance
- Composite steel/plastic slider for strength, durability, and smooth operation
- Cycle tested to 50,000 cycles with no loss of function
- Tested and approved to FGIA AAMA 904-21
- Self-balancing options for greater wind resistance

Window Type	Part Number	Description	Application	Length	Opening Angle	Max. Weight	Max. Height
Awning/Top Hung	2056157	HD26-180	Inline	27.10"	20°	397 lbs.	98.43"

HD = Heavy Duty | 28 Indicates length

Fixing Hole Details

Part Number	Description	Application	A	B	C	D	E	F	G	H	I	J	K	L
2056157	HD26-180	Inline	2.04"	2.63"	-	8.00"	-	13.38"	18.73"	1.42"	9.29"	10.80"	23.80"	26.77"



Roto Fasco Heavy Duty 4-bar Egress Hinges

Engineered for optimum, long-lasting performance, these heavy duty 4-bar egress hinges are available for a wide range of wood, vinyl, and aluminum windows. They also feature a 16-17 mm stack height.



Features & Benefits

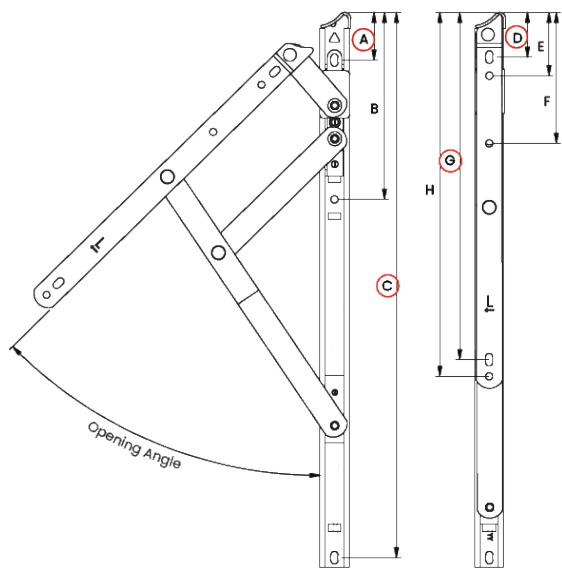
- Multiple stop positions for oversized windows
- All hinges sold in pairs
- Made from 304 SST for extra corrosion resistance
- Composite steel/plastic slider for strength, durability, and smooth operation
- Cycle tested to 50,000 cycles with no loss of function
- Tested and approved to FGIA AAMA 904-21

Window Type	Part Number	Description	Application	Length	Opening Angle	Max. Weight	Max. Height	Max. Width
Casement/Side Hung	2058274	HD16 E 304	Inline	16.47"	88°	92.6 lbs.	63.75"	30"

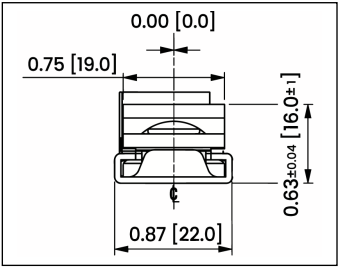
E = Egress | *HD* = Heavy Duty | **16** Indicate length

Fixing Hole Details

Part Number	Description	Application	A	B	C	D	E	F	G	H
2058274	HD16 E 304	Inline	1.41"	5.55"	16.18"	1.33"	1.88"	3.89"	10.30"	10.80"



Inline



Roto Fasco Heavy Duty Eurogroove 4-bar Hinges

Engineered for optimum, long-lasting performance, these heavy duty 4-bar hinges are available for aluminum windows with Eurogroove profiles. They also feature a 16-17 mm stack height and offer both offset and loose-rivet options across all models.



Features & Benefits

- Sash arm fits into aluminum Eurogroove for ease of fabrication
- All hinges sold in pairs
- Multiple stop positions allow for oversized windows
- Made from 304 SST for extra corrosion resistance
- Composite steel/plastic slider for strength, durability, and smooth operation
- Cycle tested to 50,000 cycles with no loss of function
- Tested and approved to FGIA AAMA 904-21
- Self-balancing options for greater wind resistance

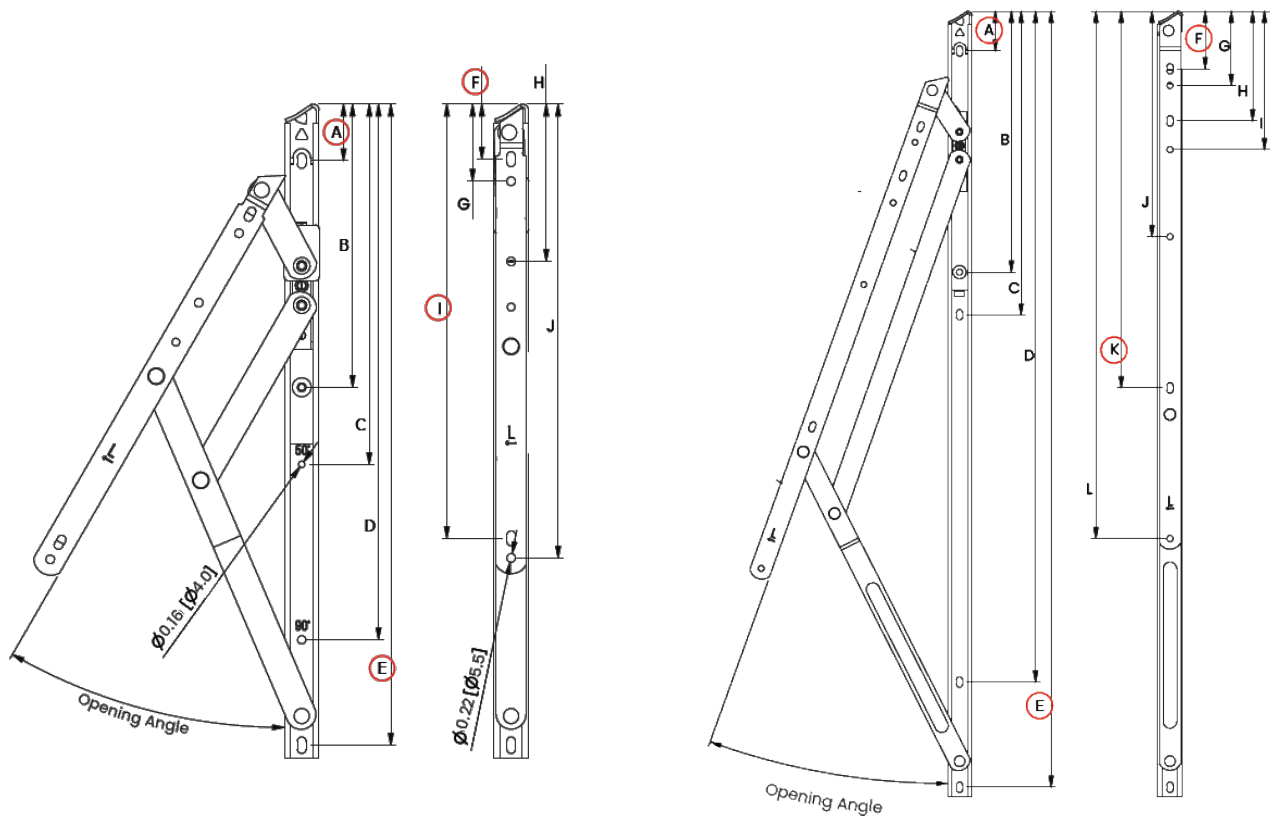
Window Type	Part Number	Description	Application	Length	Opening Angle	Max. Weight	Max. Height/Width
Casement / Side Hung	2056171	HD10 R EUROGROOVE 304	Inline	10.35"	50° or 84°	76 lbs.	26"
	2056179	HD10 R EUROGROOVE LR 304					
	2056175	HD10 R EUROGROOVE OS 304	Offset	10.39"			
	2056183	HD10 R EUROGROOVE OS LR 304					
	2056172	HD16 R EUROGROOVE 304	Inline	16.38"	30°, 50 or 84°	95.5 lbs.	30"
	2056180	HD16 R EUROGROOVE LR 304					
	2056176	HD16 R EUROGROOVE OS 304	Offset	16.42"			
	2056184	HD16 R EUROGROOVE OS LR 304					
Awning / Top Hung	2056171	HD10 R EUROGROOVE 304	Inline	10.35"	50° or 84°	110 lbs. @ 50° 88 lbs. @ 84°	26"
	2056179	HD10 R EUROGROOVE LR 304					
	2056175	HD10 R EUROGROOVE OS 304	Offset	10.39"			
	2056183	HD10 R EUROGROOVE OS LR 304					
	2056172	HD16 R EUROGROOVE 304	Inline	16.38"	30°, 50 or 84°	220 lbs. @ 30° 132 lbs. @ 50° 110 lbs. @ 90°	32"
	2056180	HD16 R EUROGROOVE LR 304					
	2056176	HD16 R EUROGROOVE OS 304	Offset	16.42"			
	2056184	HD16 R EUROGROOVE OS LR 304					
	2056173	HD22 SB EUROGROOVE 304	Inline	22.33"	20° or 40°	220 lbs. @ 20° 176 lbs. @ 40°	59"
	2056181	HD22 SB EUROGROOVE LR 304					
	2056177	HD22 SB EUROGROOVE OS 304	Offset	22.37"			
	2056185	HD22 SB EUROGROOVE OS LR 304					
	2056174	HD28 EUROGROOVE 304	Inline	27.89"	20°	220 lbs. @ 20°	87"
	2056182	HD28 EUROGROOVE LR 304					
	2056178	HD28 EUROGROOVE OS 304	Offset	27.93"			
	2056186	HD28 EUROGROOVE OS LR 304					

R = Restricted | **LR** = Loose Rivet | **OS** = Offset | **SB** = Self Balancing | **HD** = Heavy Duty | **10 - 28** Indicate length

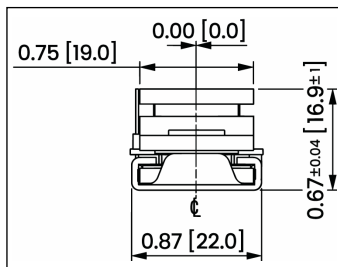
Fixing Hole Details

Application	Part Number	Description	A	B	C	D	E	F	G	H	I	J	K	L
Inline	2056171	HD10 R EUROGROOVE 304	1.44"	-	6.65"	8.44"	10.02"	1.36"	1.91"	-	7.40"	8.35"	-	-
	2056172	HD16 R EUROGROOVE 304	1.42"	7.09"	9.01"	13.41"	16.04"	1.38"	1.93"	3.94"	10.87"	11.36"	-	-
	2056173	HD22 SB EUROGROOVE 304	1.42"	9.08"	12.70"	19.77"	22.00"	1.39"	1.93"	-	3.94"	9.85"	14.66"	15.16"
	2056174	HD28 EUROGROOVE 304	1.42"	9.27"	10.79"	23.84"	27.58"	2.05"	2.64"	3.90"	4.92"	8.01"	13.38"	18.74"
Offset	2056175	HD10 R EUROGROOVE OS 304	1.47"	-	6.69"	8.48"	10.06"	1.40"	1.95"	-	7.44"	8.38"	-	-
	2056176	HD16 R EUROGROOVE OS 304	1.46"	7.12"	9.05"	13.44"	16.07"	1.42"	1.97"	3.98"	10.90"	11.40"	-	-
	2056177	HD22 SB EUROGROOVE OS 304	1.46"	9.12"	12.74"	19.81"	22.04"	1.43"	1.97"	-	3.98"	9.89"	14.70"	15.20"
	2056178	HD28 EUROGROOVE OS 304	1.46"	9.31"	10.83"	23.88"	27.62"	2.09"	2.68"	3.94"	4.96"	8.05"	13.42"	18.78"

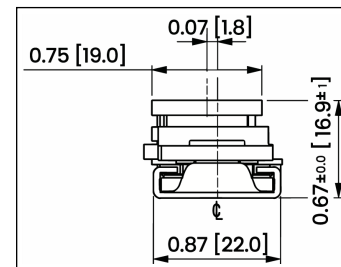
* LR versions have the same fixing hole details as the equivalent size of the non-LR hinge



Inline



Offset



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