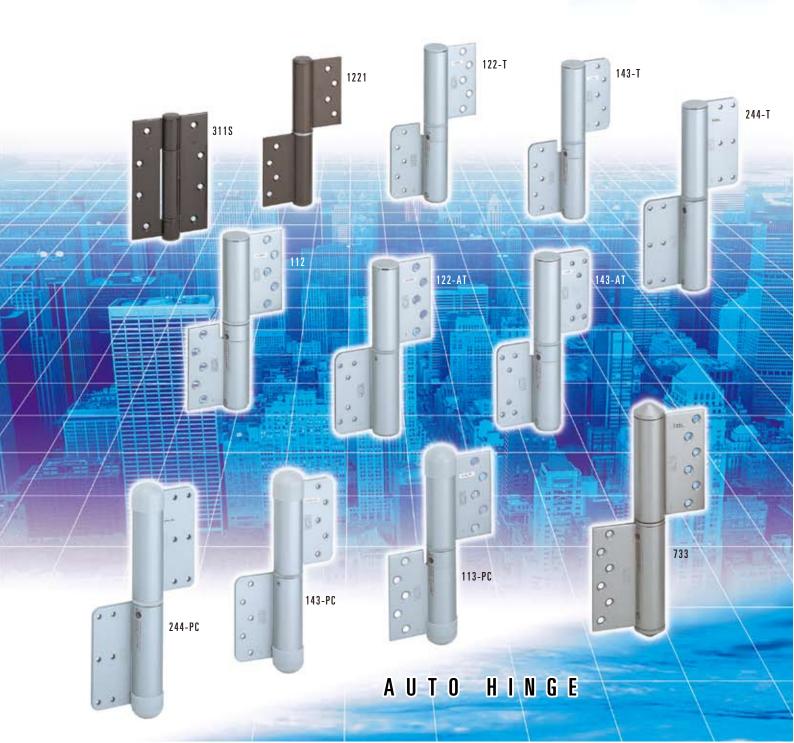




NTO HINGES

FLAG TYPE

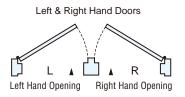


Flag type series (Table of models with specifications)

		Model number				Door s	ize applicable	e (mm)	Door weight	Closing force	Oten menhanian	a	Max.	
		Right hand opening Left hand opening		Left hand opening	Type of door	W (Max)	H (Max)	D (Min)	(kg) (Max)	(N•m)	Stop mechanics	Stop angle	Opening angle	Color
D.4	eries	(Ava	31 ilable for bo	1S th right and left)	Wood, aluminum					5.0	0	85° ∼ 180°	180°	Silver Bronze
P.4	300 Series	Available for			(Indoor use)	800	2000	30	30	_	_	_	Left or right one side opening	lvory Gold
		1111		1111L							_	_		Cilver
P.5		1111	SR	1111SL							0	85°		Silver
F.J		1121	121R	1121L							_	_		Bronze
		1121	SR	1121SL						7.9	0	85°		DIOIIZE
		1211R		1211L						7.5	_	_		Silver
P.6	1000 Series	1211	SR	1211SL	Wooden door Aluminum door	850	2000	30	35		0	85°	180° Left or right one	Ciivoi
1.0	1000	1221R 1221SR		1221L	Light steel door						_	_	side opening	Bronze
				1221SL							0	85°		
P.5	Emoty hinge	۰	1110R	1110L						_		_		Silver
1.5		y hing	1120R	1120L							_			Bronze
P.6		Empt	1210R	1210L										Silver
1.10			1220R	1220L										Bronze
P.7	1	112F	R	112L	Wooden door Light steel door						_	_		Silver or Bronze
		1128	SR	112SL					40	10.0 85° and 150°				
P.8		122R-T		122L-T	(122T for steel frame)	900	2100							
		1228	SR-T	122SL-T						S5° and 150°				
P.9		113F	R	113L	Wooden door				60	15.0	_	_		
		1138	SR	113SL							0	85° and 150°		
P.10		113F	113R TRISET 113SR TRISET	113L TRISET	Aluminum door	1000	2200		80	20.0	_	_		
		1138		113SL TRISET								85° and 150°	-	
P.11		122R-AT		122L-AT	Wooden door Light steel door						_	_		Silver
		_	SR-AT	122SL-AT	(122T for steel frame)				40	10.0	0	85° and 150°	_	
P.12	100 Series	132R		132L	Aluminum door Light steel door			30			_	_	180° Left or right one	
	100	1328		132SL	Partition door						0	85° and 150°	side opening	
P.13		143F		143L-T							_	_		
		143SR-T		143SL-T	Steel door				60	15.0	0	85° and 150°	-	
P.14		143R-AT		143L-AT		900	2100				_			
		1438	R-AT	143SL-AT							0	85° and 150°	-	_
P.7			110R	110L	Wooden door									Silver or Bronze
P.8		ge	120R-T	120L-T	Light steel door (120T for steel frame)				40					
P.11		Empty hinge	120R-AT	120L-AT						_	_	_		Silver
P.12		Emp	130R	130L	Aluminum door Light steel door Partition door					_				Olivoi
P.13			140R-T	140L-T	Steel door				60					
P.14		0.445	140R-AT	140L-AT										
D.45	eries	244F		244L-T	Ctool deep	1000	0400	40	400	22.6	_		180°	Silver
P.15	200 Series	244S		244SL-T	Steel door	1200	2100	40	120		0	85° and 150°	Left or right one side opening	Silvei
		Empty hinge	240R-T	240L-T						_	_	_		

	Model number			mber		Door s	ize applicable	e (mm)	Door weight	Closing force			Max.	
		Right hand opening		Left hand opening	Type of door	W (Max)	H (Max)	D (Min)	(kg) (Max)	(N-m)	Stop mechanics	Stop angle	Opening angle	Color
	ies	733F	?	733L	A1						_	_	4000	
P.17	0 Seri	733K 733SR		733SL	Aluminum door Stainless door	900	2100	40	120	15.0	0	85° and 150°	- 180° Left or right one side opening	Silver
	70	Empty hinge	730R	730L	Steel door						_	_	Side opening	
P.19				113L-PC	Wooden door						_	_		
P.19				113SL-PC	Aluminum door Light steel door				40		0	85° and 150°		
D 00		133R-PC		133L-PC	Aluminum door Light steel door	900			40	45.0	_	=		
P.20	ries	133SR-PC		133SL-PC			2100	30		15.0	0	85° and 150°		
P.21		143F	R-T-PC	143L-T-PC	- Steel door						100°			
P.21	PC Series	1435	SR-T-PC	143SL-T-PC					00		0	85° and 150°	Left or right one side opening	Silver
D 00		244R-T-PC		244L-T-PC	Steel dool	1000	0400	40	100	00.0	_	=	- oldo opolillig	
P.22		2445	SR-T-PC	244SL-T-PC		1200	2100	40	120	22.6	0	85° and 150°		
P.19			110R-PC	110L-PC	Wooden door Light steel door Aluminum door Light steel door Steel door		2100	30	40					
P.20		hinge	130R-PC	130L-PC		900						_		
P.21		Empty hinge	140R-T-PC	140L-T-PC					60	_	_			
P.22		_	240R-T-PC	240L-T-PC		900	2100	40	120	0				
D 00		NK153R NK153SR		NK153L		000	0400	8	00	45.0	_	_	- 180°	
P.23	es			NK153SL		900	2100	10 12	60	15.0	0	85° and 150°		
	3 Series	NK15	3R TRISET	NK153L TRISET	Glass door		2200	8 10 12	80		_	_	Left or right one side opening	Silver
P.24	153	NK15	3SR TRISET	NK153SL TRISET		1000					0	85° and 150°		
		Empty hinge	NK150R	NK150L		1000	2200	8/10/12	80		_	_		

- Each article is a combination of a spring hinge and a damper hinge (except for empty hinges).
- For opening orientation, each article designation gives an R to represent right-handed opening, and an L to represent left-handed opening. The opening orientation of the 300 series is for both right- and left-handed opening.
- The "S" in an article designation means that the product has a stop (with an internal stop mechanism).
- Every model with a -T or an -AT at the end of its article designation has a tap hole (M6) for installing it on a hinge flap. Nitto Kohki is ready to produce products of the same model but without such tap holes. (Examples: with tap hole, 143R-T; without tap hole, 143-R)
- ●The 300 and 1000 series with empty hinges are in packages of two pairs each, and the 100, 200, 700 and PC series come in packages of one pair each.





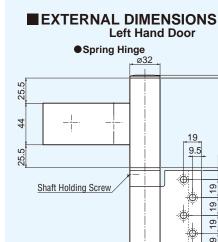
Model NK153

	Model I	Door S	ize Applicab	le(n	nm)		Door Weight	Closeing Force	Stop	Location of	Max. Opening	Surface Color		
Rig	ht hand door	Left hand door	w	Н	D			(kg)	(N·m)	Mechanism	Stop		Angle	
1	NK153R	NK153L		2100(Max)					15.0	_	_	- 180° Left or Right One-side Opening		
1	NK153SR	NK153SL	900(Max)		8	10	12	60(Max)	13.0	0	85° & 150°		Silver & Bronze	
Empty Hinge	NK150R	NK150L							_	_	_			

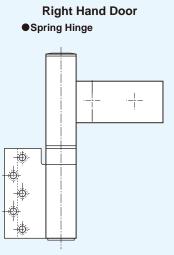
95

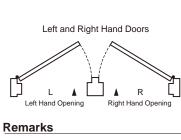
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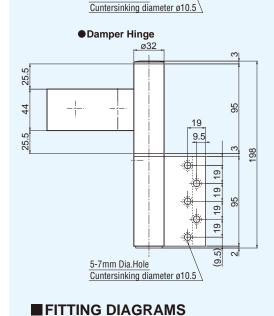


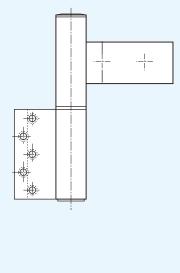
5-7mm Dia.Hole



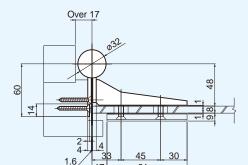


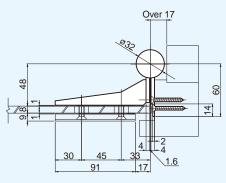
- 1. The door and frame materials to which the hinge is to be fitted should be of hard wood such as lauan or harder.
- 2. Surface treatment is by a baked coating of melamine resin.
- 3. The attached screws for fitting 5øX35mm long. the thickness of the frame should be over 35mm.
- 4. Allow at least 5mm of space between outer edge of door and frame.
- 5. Always allow for a door stopper to prevent the door from opening wider than 180°.





Damper Hinge



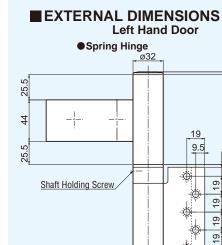


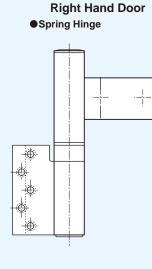


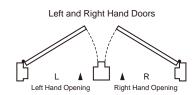
Model NK153 (TRI-SET)

	Model I	Door Size Applicable(mm)					Door Weight	Closeing Force	Stop	Location	Max.	Surface	
Righ	t hand door	Left hand door	W	Н	D			(kg)	(N·m)	Mechanism	of Stop	Opening Angle	Color
NK153	R (TRI-SET)	NK153L (TRI-SET)		2200(Max)	8		12		20.0	_	_	180°	
NK153	SR (TRI-SET)	NK153SL (TRI-SET)	1000(Max)			10		80(Max)	20.0	85° & 150°	Left or Right One-side Opening	Silver & Bronze	
Empty Hinge	NK150R	NK150L							_	_	_		



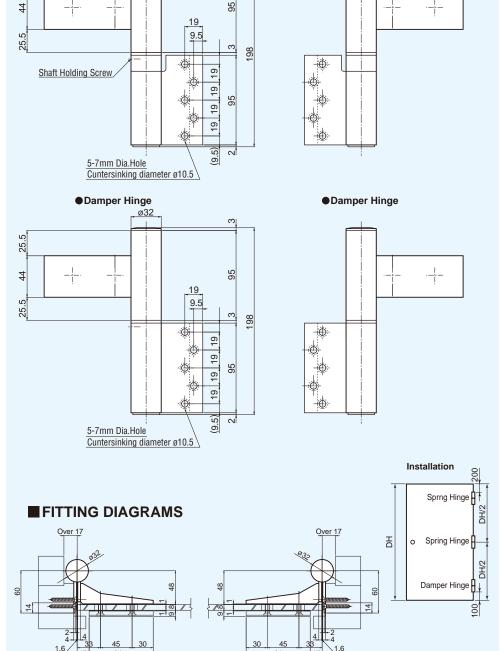






Remarks

- 1. The door and frame materials to which the hinge is to be fitted should be of hard wood such as lauan or harder.
- 2. Surface treatment is by a baked coating of melamine resin.
- 3. The attached screws for fitting 5øX35mm long. thickness of the frame should be over 35mm.
- 4. Allow at least 5mm of space between outer edge of door and frame.
- 5. Always allow for a door stopper to prevent the door from opening wider than 180°.

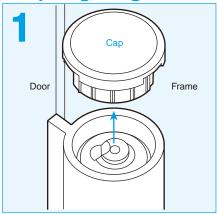


100/200/NK series

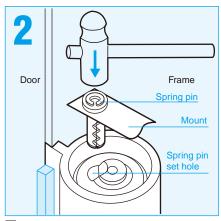
Installation procedure

- Suspend the door, then install the hinges.
- *When suspending the door, align the notch in the shaft of the damper hinge with the hole in the door-side flap

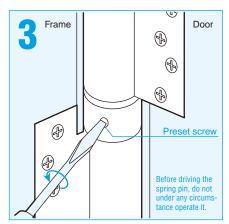
Spring hinge



Remove the cap.

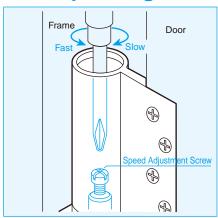


- Drive the spring pin.
- Open the door by about 0° to 10°, align the installation hole, and drive the spring pin securely according to the instructions given on the mount. Do not use a screw or anything similar as an alternative.



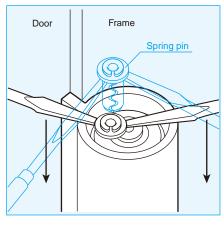
Open the door by about 90°, turn the preset screw counterclockwise by 3-4 turns, and make it stick out by about 1mm from the hinge surface. Before driving the spring pin, do not under any circumstances operate it.

Damper hinge



 Finally to set the door closing speed, remove the cap from damper hinge and turn the speed adjustment screw in the damper hinge to the desired.

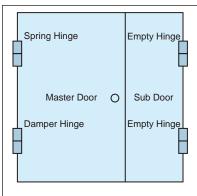
Removal of the door



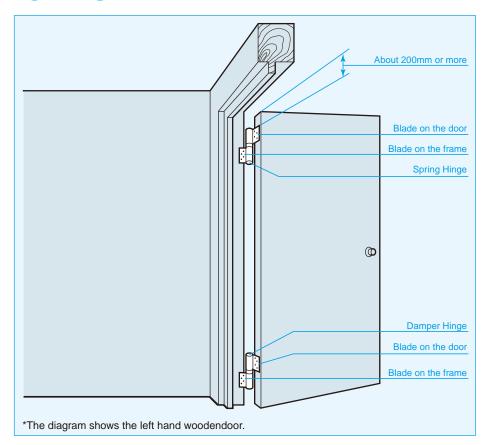
- ① Open the door by about 90°, turn the preset screw clockwise by 3-4 turns, and retighten it as before.
- ② Close the door, and it will stop at about 5°. Therefore pull out the spring pin as shown in the left-hand figure, then remove the door. (*Do not close the door by overstraining it before pulling out the spring pin.)
- ③ To suspend it again, do so at the angle at which the door was removed (the angle at which there is the shaft notch in the damper hinge).

AUTO HINGES

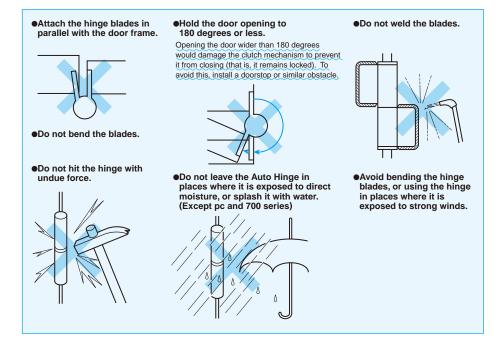
Mounting position Flag Type Auto Hinges



In case the sub door doesn't require automatic closing mechanism, the empty hinges which is the same appearance as the Auto Hinge without interior mechanism can be applied.



Handling precautions



OTHER RELATED PRODUCTS



Center Hang type



- Most suitable for fire protection, open smoke ventilation and normally-opened / closed doors and air supply doors.
- Concealed type (door built-in type.)

Concealed



- Can be selected stop or with out stop by select.
- 2 way closing speed.
- Door built-in type.

Create



- Projecting type door closer
- Automatically closes a door with quiet in combined use of a capsule with built-in spring and hydraulic device and a special pivot hinge.
- Simple design
- Provided with arm-free construction, presenting simple design and beauty fit for any door.



Sliding closer

- The endless, viscosity resistance system (patent pending) is employed to offer a compact, lightweight, long-life closer.
- The door closing speed can easily be adjusted for a desired level.
- The temperature compensation function (patent pending) is incorporated so that the closing speed remains virtually the same even when the ambient temperature changes.

Horizontal type

NSC Series

NSC-CB Series

Inclined type

DSC Series



Safety precautions

- To avoid personal injury and other accidents, thoroughly read the precautions set forth in the "Instruction Manual" or "Catalog" and properly complete the installation and adjustment procedures before use.
- Ensure that the door closing speed is properly adjusted at all times. If it is too high,



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★ Specifications and designs are subject to change at any time without notice.



SOY INK

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