ISDB-S-100	±10μm standard <sup>c</sup> <u></u> <sup>c</sup> <u></u> <sup>c</sup> <sup>c</sup> <sup>c</sup> <sup>c</sup> <sup>c</sup> <sup>c</sup> <sup>c</sup> <sup>c</sup>	100
Model ISDB — S — WA — 100 — 3 Specification Series — Type — Encoder type — Motor type — Lu Utems 100:100W 36:3 absolute 100:100W 36:3	6	optionsptions
<ul> <li>Please refer to P. 9 for more information about the model specification iter</li> <li>Controller is not included.</li> </ul>	ns. Please be sure to include the AQ seal (AQ	and one of the symbols for cable exit direction.

(Note 1)

(Note 2)

CAUTION

The value of payload is when operating at an acceleration of 0.4G. When the acceleration is increased, the payload will be

The value of dynamic straightness is when the high straightness,

reduced. Please contact IAI for more Information.

precision specification option is specified.

Actuator specifications							
	Motor output (W)	Lead (mm)	Payload	(Note 1)	Rated thrust (N)	Stroke (mm)	
Model number			Horizontal (kg)	Vertical (kg)			
ISDB-S-WA-100-36-①-T2-②-③	100	36	10	2	47.2	100~800 (Every 50mm)	

Legend: ① Stroke ② Cable length ③ Options
 If the guide with ball retention mechanism (RT) is used, the vertical payload decreases by 0.5kg.



Base mounting surface when the guide is of the high precision specification

## Dimonsions and Mass by Studys

	Dimensions and Mass by Suoke																
	Sti	roke	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800
1	wit	thout brake	442.5	492.5	542.5	592.5	642.5	692.5	742.5	792.5	842.5	892.5	942.5	992.5	1042.5	1092.5	1142.5
-	v	vith brake	474	524	574	624	674	724	774	824	874	924	974	1024	1074	1124	1174
В			278	328	378	428	478	528	578	628	678	728	778	828	878	928	978
		D	0	0	0	0	1	1	1	1	2	2	2	2	3	3	3
		E	8	8	8	8	10	10	10	10	12	12	12	12	14	14	14
		F	45	95	145	195	45	95	145	195	45	95	145	195	45	95	145
Mass	wit	thout brake	4.3	4.6	5.0	5.4	5.7	6.1	6.4	6.8	7.2	7.5	7.9	8.2	8.6	9.0	9.3
(kg)	v	vith brake	4.6	4.9	5.3	5.7	6	6.4	6.7	7.1	7.5	7.8	8.2	8.5	8.9	9.3	9.6
Maxii spe (mn	mum red n/s)	Lead 36	1075	1370	1620	1830	1940	1980	2000	2000	2000	2000	1825	1590	1400	1240	1105

\*1 When the slider is returning to its home position, Please be careful of interference from surrounding objects, as it will travel until it reaches the ME. ME: Mechanical End SE: Stroke End

\* Please return the actuator to us if a home direction change is necessary after purchase. \* The allowable moment offset reference position is 42.5mm from the slider work mounting position

Applicable Controllers												
Applicable Controller	Maximum number of controlled axes	0	perating metho	bd		Maximum number of	Reference page					
		Positioner	pulse train control	program	Power-supply voltage	positioning points						
SCON-CB/CGB	1 axes	•	•	-		512 (768 for network spec.)						
SCON-LC/LCG	1 axes	-	-	•		512 (768 for network spec.)	Please					
SCON-CAL/CGAL	1 axes	•	-	-	Single-phase AC100/200 V	512 (768 for network spec.)	contact IAI					
MSCON-C	6 axes	This model is	network-compatible only.			256	for more					
SSEL-CS	2 axes	•	-	•		20000	information.					
XSEL-P/Q/RA/SA	8 axes	-	-	•	Single-phase AC200V / three-phase AC200V	55,000 (depend on type)						
• The type of compatible networks will vary depending on controller. Please contact IAI for more information.												



Some limitations may apply to Vertical/ side/ceiling mountings depending on the model. Please contact IAI for more information.