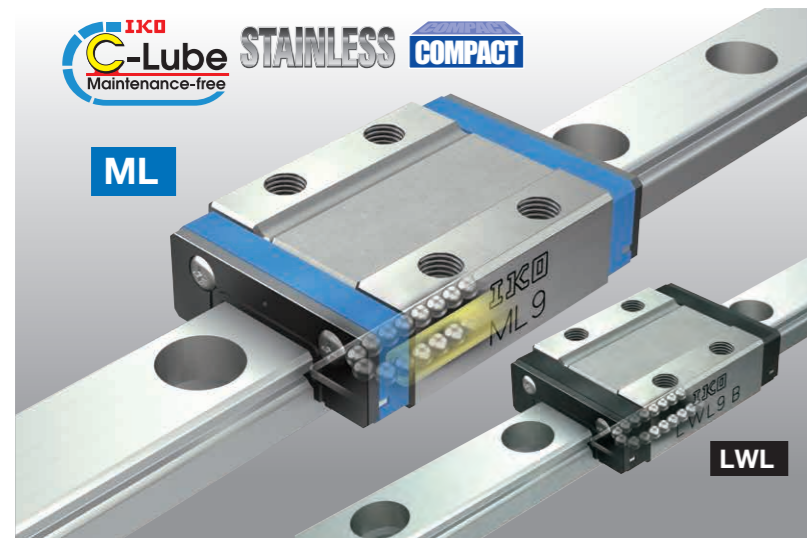


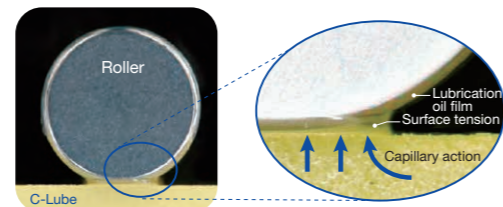
## C-Lube Linear Way ML / Linear Way L



The structure with two rows of balls to contact with the way at four points provides stable accuracy and rigidity even in applications where load has variable direction and size or complex load is applied, despite its very small body. With basic stainless steel specifications, we offer a wide variety of shapes and sizes, allowing selection of appropriate models according to the application.



C-Lube is IKO's original solid lubricant impregnated with a large amount of lubrication oil, allowing machines to endure running over 20,000 km without oil feeding, with lubrication oil in the C-Lube only. In this way, maintenance free is achieved until the end of device life.



Lubrication oil is continuously supplied to the surface of rolling elements by surface tension in the contact of C-Lube surface and rolling elements.

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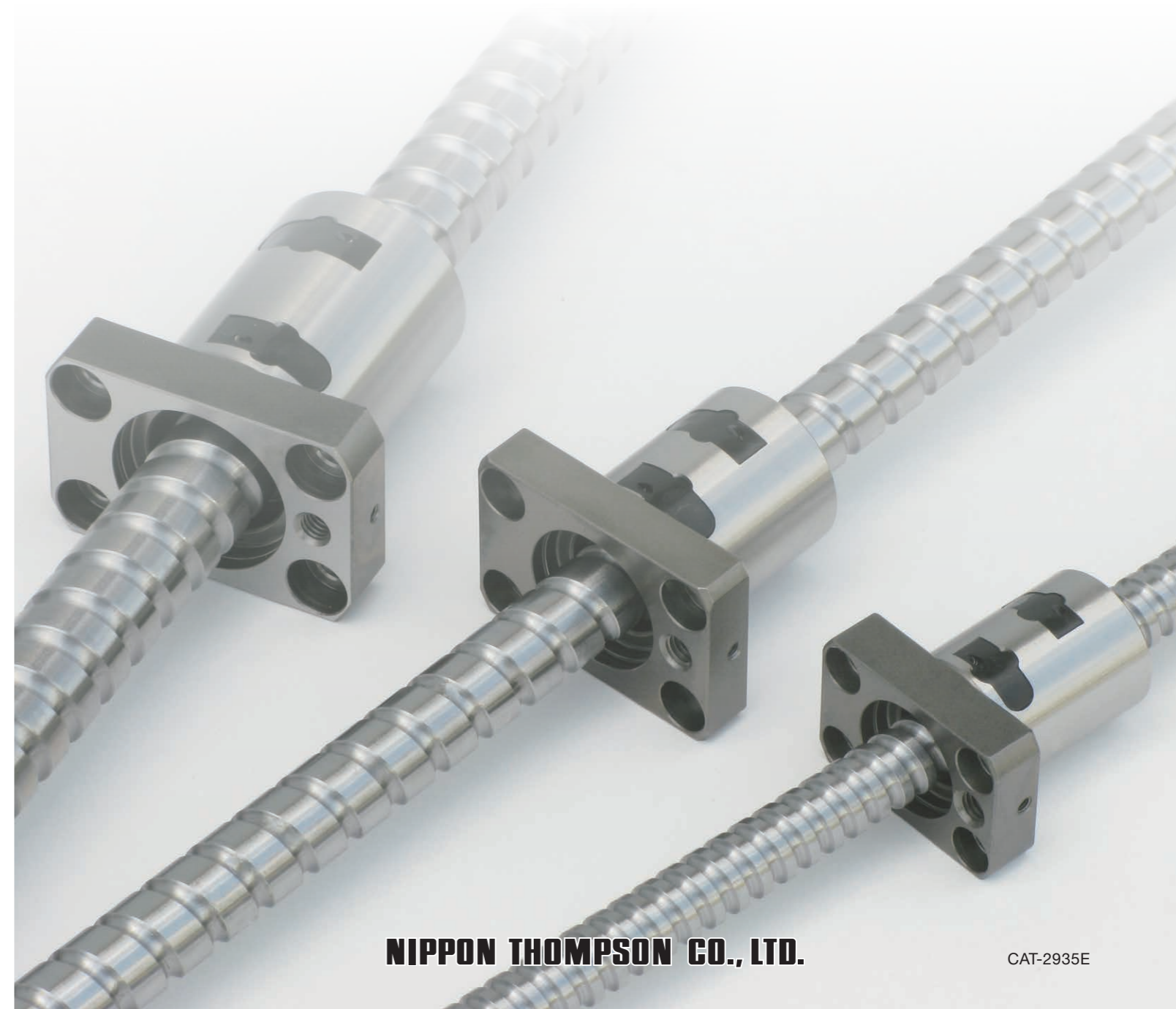


ISO 9001 & 14001 Quality system registration certificate

**IKO**  
Alliance Partners Products



# Precision Ball Screw AG Series Ball Screw



**NIPPON THOMPSON CO., LTD.**

CAT-2935E

# AG Series Ball Screw

## Specifications

Model Number	Shaft diameter d [mm]	Lead L [mm]	Ball diameter Db [mm]	Root diameter d1 [mm]	Number of circuits	Basic Dyn.Load rating C [N]	Basic Sta.Load rating C <sub>0</sub> [N]	Max. Rotational speed [min <sup>-1</sup> ]
AK1205	12	5	2.778	9.7	2.7x1	5900	8100	5000 (DN ≤ 150000)
AK1210		10			1.7x1	3700	5100	
AK1505	15	5	3.175	12.5	2.7x1	7600	11100	
AK1510		10			1.7x1	4900	7000	
AK1520		20			1.7x1	4900	7000	
AK2005	20	5	3.969	17.5	2.7x1	8800	15000	
AK2010		10			1.7x1	11300	18400	
AK2020		20			1.7x1	7600	11600	

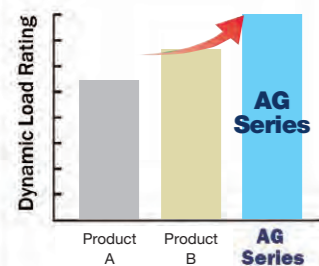


The best balance among 3 needs:

# High Load High Speed Compact Design

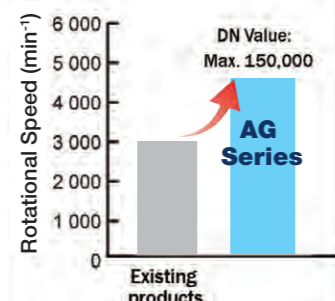
## High Load

Higher load rate compared to similar competitive products provides longer life to your equipment.



## High Speed

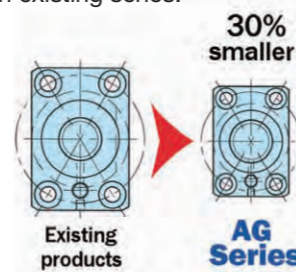
DN value is increased for tact time reduction for automation needs. Design is built for high speed motor drivers which enable increased production.



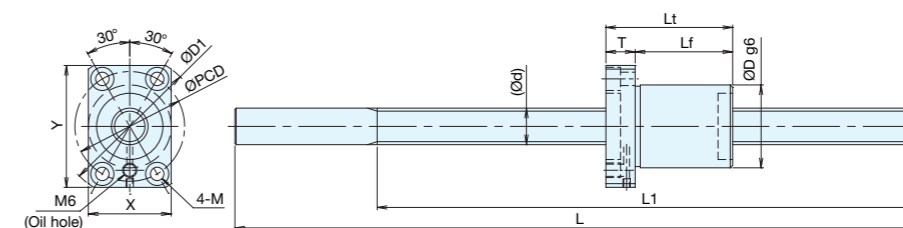
## Compact Design

A smaller, compact nut body provides space saving alternatives when designing new projects.

30% smaller and 50% lighter than existing series.

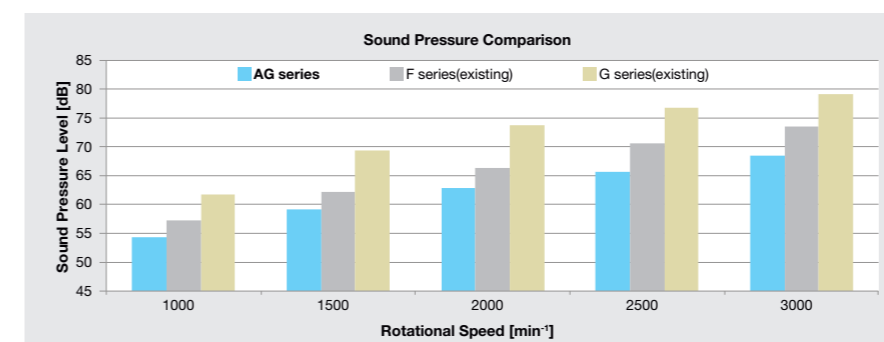


## Shape and Dimensions



[Unit:mm]

Model Number	Thread dimensions		Nut dimensions									
	Overall length L	Thread length L1	Nut diameter D	Overall Length Lt	Length Lf	Flange thickness T	X	Y	ØD1	PCD	Mounting hole M	
AK1205	550	400	25	43	33	10	27	40	45	35	4.5 drill, 8 spot facing depth 4.4	
AK1210	1150	1000		46	36							
AK1505	1150 1650	1000 1500	30	45	35		32	47	53	41		5.5 drill, 9.5 spot facing depth 5.4
AK1510				46	36							
AK1520				65	55							
AK2005	1150 1650	1000 1500	37	48	36		12	38	57	63		
AK2010				61	49							
AK2020				70	58							



With the introduction of a new ball recirculation system and new materials, the AG series offers quieter ball screws

## LUBSEAL

LUBSEAL (Lubrication Unit)  
It contacts the ball rolling portion of the screw shaft groove and supplies an appropriate amount of lubricant (grease).  
It can fit into both ends of ball screw nut and becomes compact in size. Inscribe "S" for Lubseal.

