

## Selection Guide to NSK Ball Screw

1	Features of NSK Ball Screws		
2	Structure of a Ball Screw	Jump (2.2MB)	
3	Ball Screw Classification and Series		
4	Procedures to Select Ball Screws		
5	When Placing Orders	Jump (0.4MB)	
6	Dimension Table and Reference Number of Standard Stock Ball Screws		
	A Series (Dia. 4-15)	Jump (3.2MB)	
	A Series (Dia. 16-25)	Jump (3.6MB)	
	A Series (Dia. 28-32)	Jump (2.8MB)	
	A Series (Dia. 36-50)	Jump (2.1MB)	
	KA Series	Jump (1.7MB)	
	S Series (Dia. 4-28)	Jump (2.8MB)	
	S Series (Dia. 32-50)	Jump (2.1MB)	
	V Series	Jump (1.7MB)	
	Rolled Ball Screw R Series	Jump (2.4MB)	
	Accessories	Jump (2.6MB)	
	Thrust Angular Contact Ball Bearing for Ball Screw	Jump (0.7MB)	
	7	Custom Made Ball Screw Series: Dimension Table and Model Number	
		T Type (Return tube type, fine lead)	
Nut model (SFT, PFT)		Jump (2.7MB)	
Nut model (ZFT, DFT, DFFT, GSCT)		Jump (3.6MB)	
D Type (Deflector type, fine lead)		Jump (3.0MB)	
M Type (Miniature, fine lead)		Jump (1.0MB)	
L Type (Medium, high helix lead)		Jump (2.0MB)	
U Type (High helix, ultra high helix lead)		Jump (0.6MB)	
HMC Series (for high-speed machine tools)		Jump (0.7MB)	
HTF Series (for high load drive)		Jump (0.6MB)	

8	Special Ball Screw: Dimension Table and Model Number	
	MF Series (Ball Screw Equipped With NSK K1 Lubrication Unit)	Jump (2.7MB)
	NSK S1 Series Precision Ball Screw	Jump (1.4MB)
	NDT, NDD Series (with rotatable nut)	Jump (1.0MB)
	Ball Screw with Spline: "Robotte"	Jump (1.6MB)
	Hollow Shaft Ball Screw	Jump (0.5MB)
	Special Ball Screws	Jump (0.1MB)
9	Guide to Technical Services	Jump (0.2MB)
10	Precautions When Handling Ball Screws	

## Technical Description of Ball Screws

1	Accuracy	Jump (0.7MB)
2	Static Load Limitation	Jump (0.6MB)
3	Permissible Rotational Speed	
4	Supporting conditions for Calculation of Buckling Load and Critical Speed	
5	Life (dynamic load limitation)	
6	Preload and Rigidity	Jump (0.9MB)
7	Friction Torque and Drive Torque	Jump (0.6MB)
8	Lubrication of Ball Screw	
9	Dust Prevention for Ball Screw	
10	Rust Prevention and Surface Treatment of Ball Screws	
11	Ball Screw Specifications for Special Environments	
12	Noise and Vibration	Jump (1.3MB)
13	Installation of Ball Screw	
14	Precautions for Designing Ball Screw	
15	Drills for Selecting Ball Screw	Jump (1.1MB)
16	Reference	