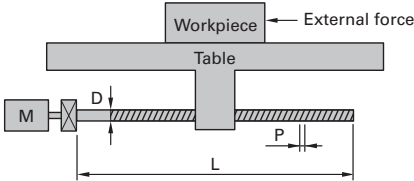
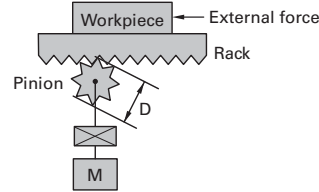
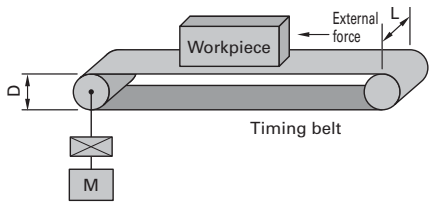
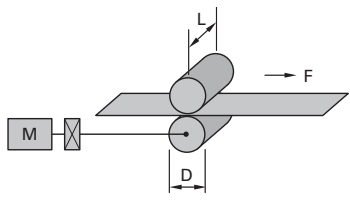
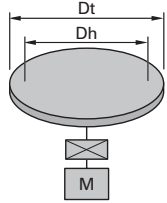


■ Selection Guide by Mechanism

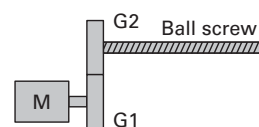
Typical mechanism examples and required selection criteria are shown below. Provide us with these information when consulting us for selection.

Ball screw			Rack & Pinion				
							
External force	F	<input type="text"/>	N	External force	F	<input type="text"/>	N
Workpiece mass + table mass	W	<input type="text"/>	kg	Workpiece mass + rack mass	W	<input type="text"/>	kg
Ball screw diameter	D	<input type="text"/>	m	Pinion diameter	D	<input type="text"/>	m
Ball screw length	L	<input type="text"/>	m	Pinion thickness	L	<input type="text"/>	m
Ball screw pitch	P	<input type="text"/>	m	Pinion density	ρ	<input type="text"/>	kg/m ³
Ball screw density	ρ	<input type="text"/>	kg/m ³	Friction coefficient	μ	<input type="text"/>	
Friction coefficient	μ	<input type="text"/>		Gear ratio *	G	<input type="text"/>	
Gear ratio *	G	<input type="text"/>		Mechanical efficiency	η	<input type="text"/>	
Mechanical efficiency	η	<input type="text"/>				<input type="text"/>	

Belt drive			Roll feed				
							
External force	F	<input type="text"/>	N	Sheet tension	F	<input type="text"/>	N
Workpiece mass + belt mass	W	<input type="text"/>	kg	Roll diameter	D	<input type="text"/>	m
Pulley diameter	D	<input type="text"/>	m	Roll width	L	<input type="text"/>	m
Pulley width	L	<input type="text"/>	m	Roll density	ρ	<input type="text"/>	kg/m ³
Pulley density	ρ	<input type="text"/>	kg/m ³	Roll moment of inertia J	J	<input type="text"/>	kg·m ²
Pulley moment of inertia	J	<input type="text"/>	kg·m ²	Gear ratio *	G	<input type="text"/>	
Gear ratio *	G	<input type="text"/>		Mechanical efficiency	η	<input type="text"/>	
Mechanical efficiency	η	<input type="text"/>				<input type="text"/>	

Rotary indexing table			
			
Table mass	W	<input type="text"/>	kg
Table diameter	Dt	<input type="text"/>	m
Table support diameter	Dh	<input type="text"/>	m
Table moment of inertia	J	<input type="text"/>	kg·m ²
Friction coefficient of table support	μ	<input type="text"/>	
Gear ratio *	G	<input type="text"/>	
Mechanical efficiency	η	<input type="text"/>	

* Calculation of gear ratio (G)



$$G = \frac{\text{Number of screw threads (G2)}}{\text{Number of motor gear teeth (G1)}}$$



■ ECO PRODUCTS

SANYO DENKI's ECO PRODUCTS are designed with the concept of lessening impact on the environment in the process from product development to waste. The product units and packaging materials are designed for reduced environmental impact. We have established our own assessment criteria on the environmental impacts applicable to all processes, ranging from design to manufacture. Those products that satisfy the criteria are accredited as ECO PRODUCTS.

Notes Before Purchase

- Read the accompanying Instruction Manual carefully prior to using the product.
- Do not use this product in an environment where vibration is present, such as in moving vehicles or shipping vessels.
- Do not modify or alter the product in any way.

Please contact us beforehand if you intend to use this product in the following applications.

- Medical equipment that may have an effect on human life
- Systems or equipment that may have a major impact on society or on the public
- Special applications related to aviation and space, nuclear power, electric power, submarine repeaters, etc.