

							
Product Series		NEV	EVL	EVB	EVS	STH	STR
Axis of Orientation		Right-angle	Right-angle	Right-angle	Right-angle	Off-set rotary stage	Right-angle
Gear Description		Planetary helical	Spiral bevel/Planetary	Spiral bevel/Planetary	Spiral bevel/Planetary	Planetary w/ Rotary stage	Roller gear/cam mechanism
Frame	Smallest	B (60mm)	070	060	060	052 (B frame)	040
	Largest	E (170mm)	235	220	240	078 (C frame)	240
	Variety	4	6	6	7	2	7
Ratio	Minimum	3	3	3	3	12	15
	Maximum	81	100	100	100	324	Various*
	Variety	9	22	22	22	9	Various*
Installation							
Rounded, Tapping Holes on Casing			■				
Square, Through Holes on Casing				■	■	■	■*
Rounded, Through Holes on Casing		■					
Lubrication							
Grease			■	■	■	■	■
Oil							
Input							
Direct Clamp		■	■	■	■	■	■*
Keyed Shaft							
Output							
Smooth Shaft with Tapping Hole		■	■	■	■		
Shaft with Tapping Hole and Keyway		■	■	■	■		
Flanged Connection							
Flange with Hollow Bore		■				■	■
Bearing Type on Output							
Ball Bearing		■	■	■			
Tapered Roller Bearing					■		
Cross Roller Bearing						■	■
Performance Specification							
Radial Load		Ordinary	Ordinary	Ordinary	Excellent	Ordinary	Excellent
Thrust Load		Ordinary	Ordinary	Ordinary	Excellent	Excellent	Excellent
Backlash Rating	< 1 arc-min						
	≤ 2 arc-min					■	
	≤ 3 arc-min						
	≤ 5 arc-min					■	
	≤ 6 arc-min			■	■	■	
	≤ 8 arc-min						
	≤ 9 arc-min			■	■	■	
	≤ 10 arc-min					■	
≤ 15 arc-min							
≤ 30 arc-min		■					
Torsional Rigidity		Ordinary	Ordinary	Ordinary	Excellent	Ordinary	Excellent
Efficiency		Excellent	Excellent	Excellent	Excellent	Excellent	Ordinary

NOTE: *(STR) motor connection to VRB/EVB reducer

***(ER) several mounting styles available