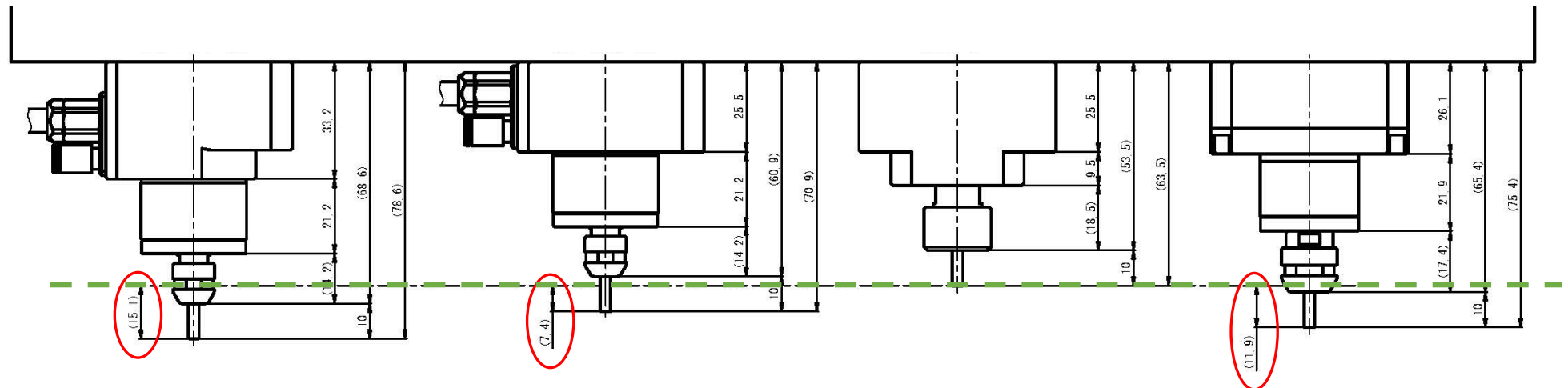


Comparison of Protrusion Positions of Motor Spindles for Citizen Machinery

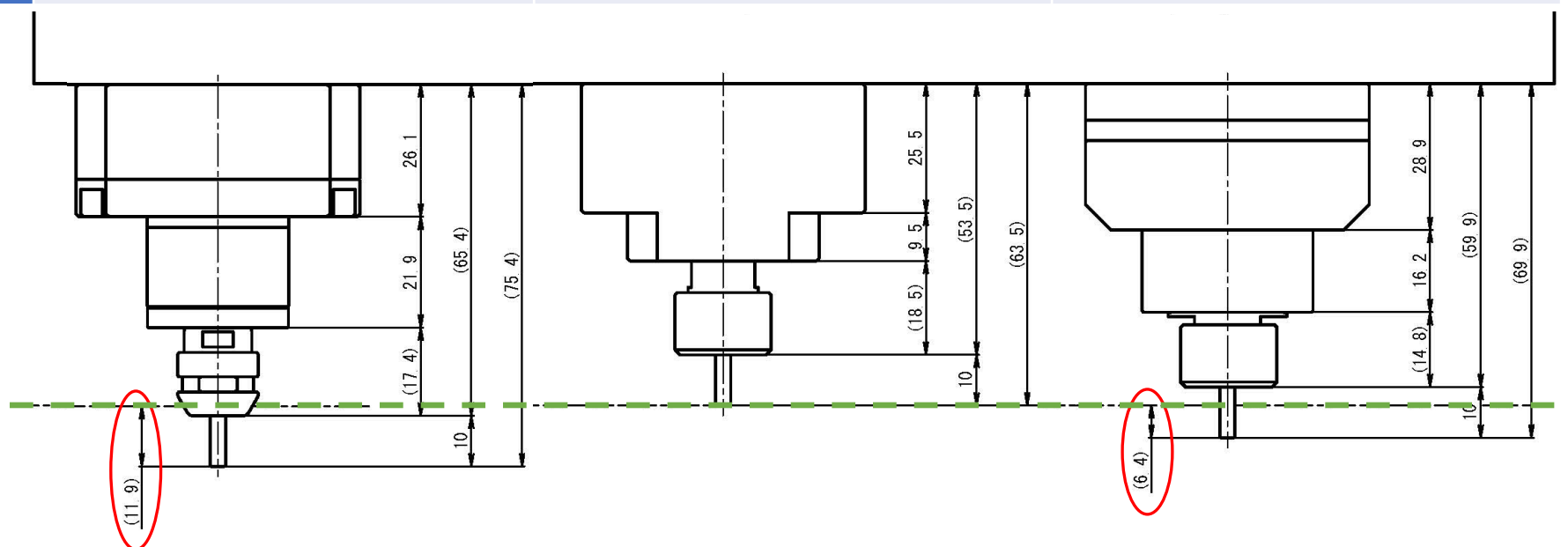
	Electric Motor Spindle (Nakanishi)		Standard Rotary Tool (Citizen)	Speed-Increasing Spindle (Nakanishi)
Model	BMF-3130-CTZ	BMF-3160-CTZ	GSC1310	NGS-3140-CTZ01
Allowable Rotational Speed	30,000 min ⁻¹	60,000 min ⁻¹	8,000 min ⁻¹	43,000 min ⁻¹
Maximum Collet Diameter	4.0 mm	4.0 mm	7.0 mm	6.35 mm
Collet Precision Class AA	2 μm	2 μm	5 μm	2 μm



Protrusion Positions	15.1 mm	7.4 mm	0 mm (Standard)	11.9 mm
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Comparison of Protrusion Positions of Speed-Increasing Spindles for Citizen Machinery

	Nakanishi	Standard Rotary Tool (Citizen)	Suzuki Precion
Model	NGS-3140-CTZ01	GSC1310	CSM4-03V
Allowable Rotational Speed	43,000 min ⁻¹	8,000 min ⁻¹	40,000 min ⁻¹
Maximum Collet Diameter	6.35 mm	7.0 mm	7.0 mm
Collet Precision Class AA	2 μm	5 μm	5 μm



Protrusion Positions	11.9 mm	0 mm (Standard)	6.4 mm
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