

200mm x 200mm X-Y OEM Stage **Crossed Roller Bearing**

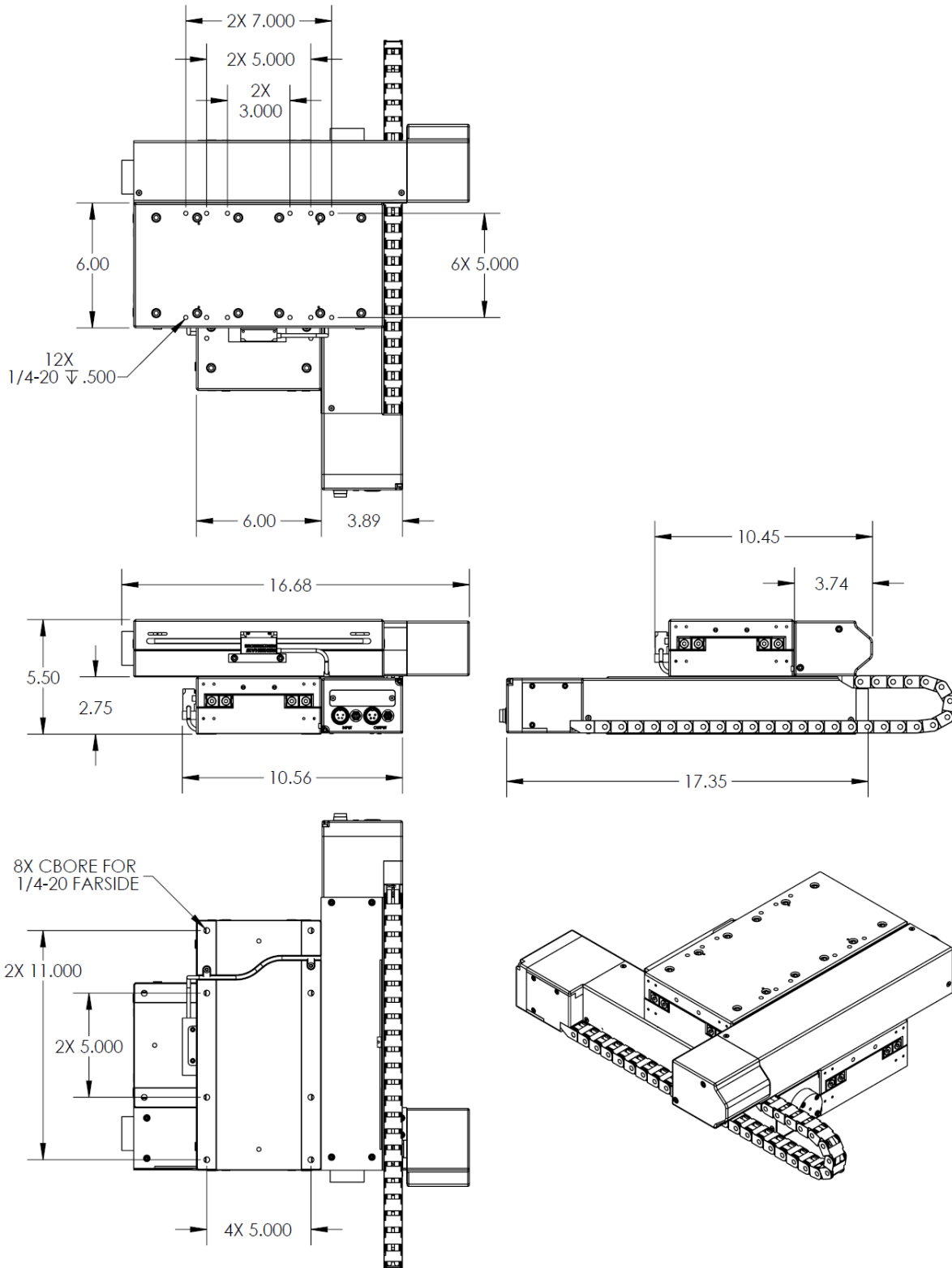


This 200mm x 200mm stage is an example of an OEM assembly based on our CS crossed roller bearing stage series. In place of the standard anodized aluminium, a nickel coating is used to make the assembly safe for ESD sensitive microelectronic components. The two axis are aligned orthogonal to better than ± 5 arc-sec ($\pm 25\mu\text{rad}$). IMS MDrive step motors with integrated controllers simplify system integration, with only power and RS422/485 serial communication required for closed loop positioning to the $0.5\mu\text{m}$ resolution linear encoders. A power and serial communication output are provided on the connector panel to support an MDrive equipped Z axis stage. A similar stage assembly with standard 2 phase stepper motors without integrated controllers is also being produced.



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