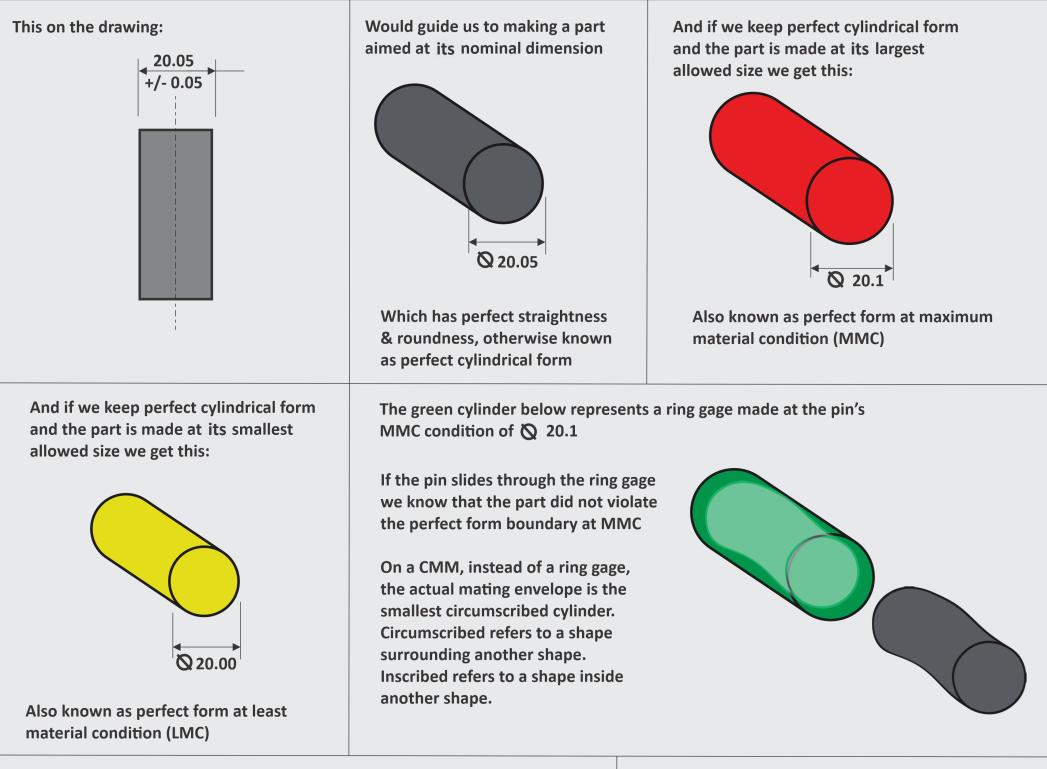
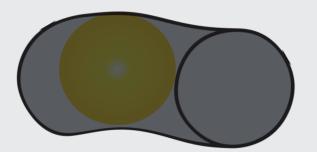


SIZE STANDARDS MATTER

ASME Y14.5 M 2018 Rules for Size



And if we were to roll a perfect sphere through our actual part, the "Actual Local Size" (ALS) of our part / pin would be the largest inscribed sphere as it rolls / is swept through the part.

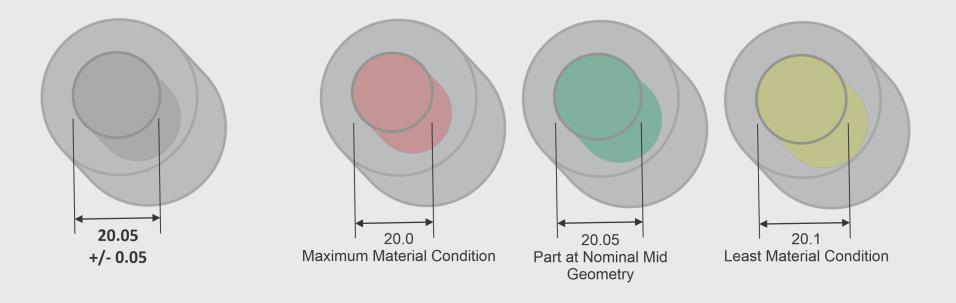


A compliant part passes both the "Actual Mating Envelope" and the "Actual Local Size" tests.

This part now meets a specification for size and form

Per the ASME standard, specifications for size always include form unless specifically noted otherwise

The example above is a pin. If it were a bore, the MMC and LMC boundaries would be reversed and the actual local size would be the smallest circumscribed sphere that could roll or be swept through the bore



Metrology Matters is a project of these organizations to provide basic metrology fundamentals to manufacturing.

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