



Linear, rounded, nonrelevant and false indications

Magnetic Particle Testing (MT)

Indication	Appearance	Possible cause	Inspector action
Linear	Length clearly exceeds width	Crack, surface lack of fusion, seam or lap	Size, locate and compare with acceptance criteria
Rounded	Similar length and width	Surface porosity, pit or local geometry	Distinction from contamination and evaluation of clustering
Nonrelevant	Linked to geometry or property change	Corner, thread, keyway, permeability change or dissimilar weld	Field direction, surface cleanliness and geometry review
False	Unstable and not repeatable	Excess particles, air flow, contamination or poor technique	Repeat under controlled conditions

Source / basis: <https://niktrd.com/magnetic-particle-testing>