

# Abrasive Grit Size Comparison Chart

EUROPEAN GRADED (FEPA)	U.S. GRADED (CAMI/ANSI)	MICRON
P24	24	750
P30	30	630
P36	36	525
P40	40	400
P50	50	325
P60	60	260
P80	80	200
P100	100	160
P120	120	125
P150	150	93
P180	180	76
P220	220	68
P240		58
P280	240	52
P320		46
P360	280	39
P400	320	35
P500		30
P600	360	26
P800	480	22
P1000	500	18
P1200	600	14
P1500		12
P2000		10
P2500		8

**FEPA Grading:** The majority of coated abrasives manufactured today use the FEPA standard (Federation of European Producers of Abrasives), otherwise known in the industry as “P” grading. Abrasives in the P scale are graded to higher tolerances than CAMI graded abrasives.

**CAMI Grading:** This grading standard is used exclusively by US manufacturers of coated abrasives, and is overseen by the Coated Abrasive Manufacturer’s Institute and the American National Standards Institute (ANSI). The CAMI-scale tolerates a wider range of grain sizes within the definition of the grit.

**Micron Grading:** This refers to an abrasive particle’s actual diameter in micrometers, rather than the total number of abrasive grains that can pass through a linear inch in a screen or mesh (as the FEPA and CAMI grading system use). Micron grading has the tightest tolerances for grain size and in abrasives are typically used only in fine grits, when a stray scratch from an outsized grain would make a substantial difference to the finish.



800-814-7358

abrasiveresource.com