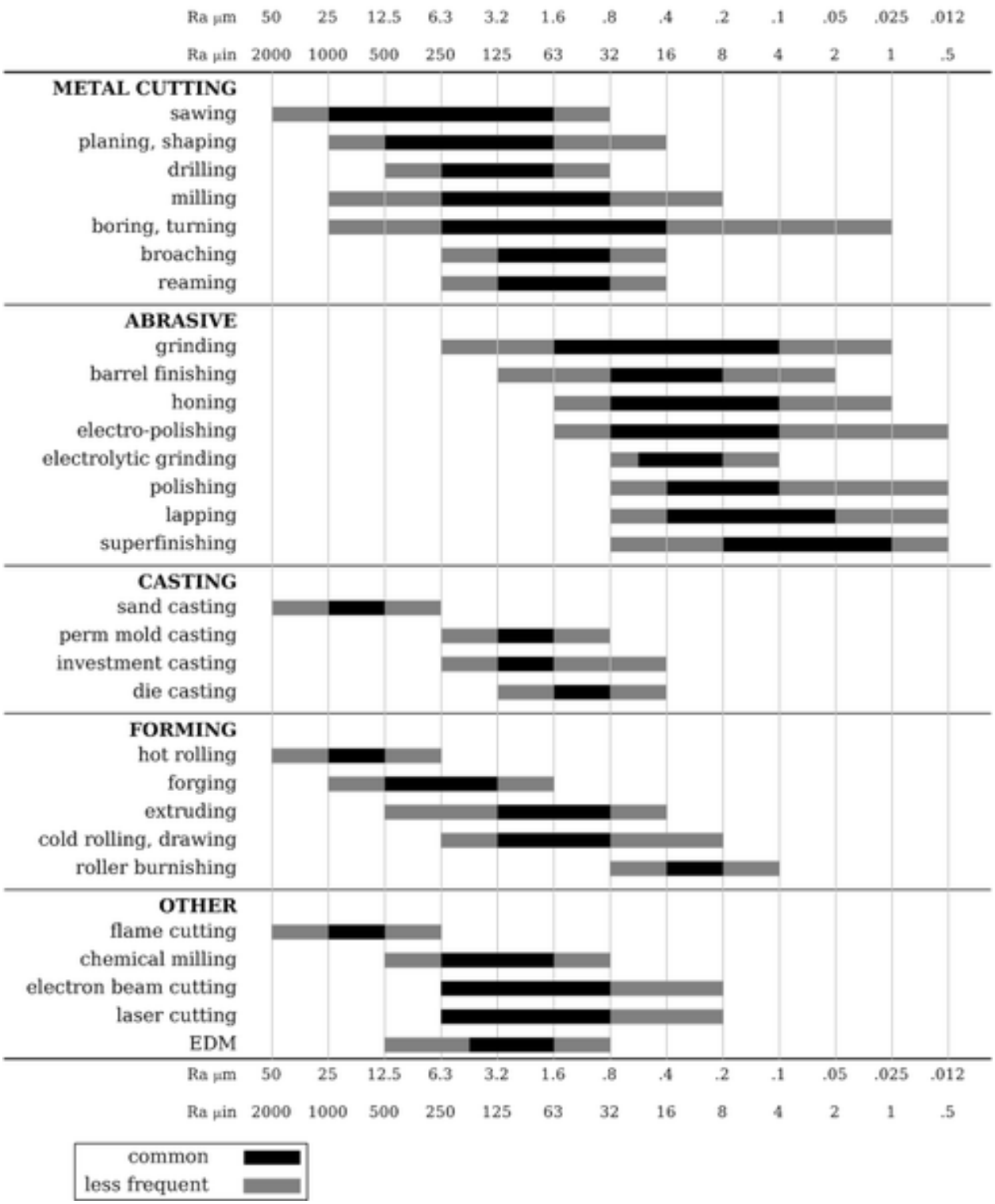
Ra µm 50 25 12.5 6.3 3.2 1.6 .8 .4 .2 .1 .05 .025 .012
Ra µin 2000 1000 500 250 125 63 32 16 8 4 2 1 .5
METAL CUTTING
sawing
planing, shaping
drilling
milling
boring, turning
broaching
reaming
ABRASIVE
grinding
barrel finishing
honing
electro-polishing
electrolytic grinding
polishing
lapping
superfinishing
CASTING
sand casting
perm mold casting
investment casting
die casting
FORMING
hot rolling
forging
extruding
cold rolling, drawing
roller burnishing
OTHER
flame cutting
chemical milling
electron beam cutting
laser cutting
EDM
common
less frequent