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| **Scala φ** | **Intervallo dimensionale (metrico)** | **Intervallo dimensionale (approssimato in pollici)** | **Classi granulometriche (Wentworth)** |
| < −8 | > 256 mm | > 10.1 in | Blocchi |
| −6 to −8 | 64–256 mm | 2.5–10.1 in | Ciottoli |
| −5 to −6 | 32–64 mm | 1.26–2.5 in | Ghiaia molto grossa |
| −4 to −5 | 16–32 mm | 0.63–1.26 in | Ghiaia grossa |
| −3 to −4 | 8–16 mm | 0.31–0.63 in | Ghiaia media |
| −2 to −3 | 4–8 mm | 0.157–0.31 in | Ghiaia fine |
| −1 to −2 | 2–4 mm | 0.079–0.157 in | Ghiaia molto fine |
| 0 to −1 | 1–2 mm | 0.039–0.079 in | Sabbia molto grossa |
| 1 to 0 | ½–1 mm | 0.020–0.039 in | Sabbia grossa |
| 2 to 1 | ¼–½ mm | 0.010–0.020 in | Sabbia media |
| 3 to 2 | 125–250 µm | 0.0049–0.010 in | Sabbia fine |
| 4 to 3 | 62.5–125 µm | 0.0025–0.0049 in | Sabbia molto fine |
| 8 to 4 | 3.90625–62.5 µm | 0.00015–0.0025 in | Silt o Limo |
| > 8 | < 3.90625 µm | < 0.00015 in | Argilla |
| >10 | < 1 µm | < 0.000039 in | Colloide |

Nella seguente tabella vengono riportate le classi granulometriche con i relativi intervalli in metri, pollici e nella scala φ: