

GQ QUATTRO DISC NEM SOFT TECHNICAL DATA SHEET

Revised October 2021

Dental metal-ceramic alloy based on cobalt, type 4

Percentage chemical composition (m/m)

Co	63 %
Cr	29 %
Mo	6 %
Mn, Nb, Si, Fe	<1 %

Physical and mechanical properties

Alloy type	4
Density	8.8 g/cm ³
Vickers hardness	285 HV 10/30
CTE value (25–500 °C)	14.4 × 10 ⁻⁶ K ⁻¹
Tensile strength	680 MPa
0.2% proof stress	400 MPa
Elongation at break	9 %
Young's modulus	250 GPa
Oxidation without vacuum	1,000 °C