

## Progress Diamond proportion of diamonds to blue ground proportions ProportionScope Punch Jones Diam

Contributed by Administrator  
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Progress Diamond. An 80.66-carat rough diamond found in the Mir pipe. Now in the U.S.S.R. Diamond Fund in Moscow. proper proportions (of a diamond). See AMERICAN CUT; TOLKOWSKY, MARCEL; PRO-PORTIONS; PROPORTIONS, GOOD. proportion of diamonds to blue ground. See richness of maior diamond DEPOSITS, RELATIVE. proportions. A term that meant orig-inally the distribution of the mass of a fashioned diamond above and below the girdle. Use by diamond men has broadened its meaning to include the major factors that deter-mine cutting quality; i.e., total depth as a percentage of the girdle diame-ter, table diameter, girdle thickness, facet angles, symmetry, and even de-tails of finish. See proportions, good; CUTTING; AMERICAN CUT; TOLKOWSKY, MARCEL; FINISH; SYMMETRY. ProportionScope. A diamond-grading instrument designed and first manufactured by the Gemological Institute of America in 1967. It is an optical comparator for the checking of the proportions of a brilliant. It combines lenses and movable mir-rors to project the silhouette of a dia-mond on a screen. Line diagrams of Tolkowsky proportions on the screen, as well as a "zoom" range, enable proportions, good. The proportions derived mathematically for the op-timum treatment of light are seldom cut today. Present tastes among jewelers apparently have been con-ditioned somewhat by the weight saving and cost reduction made pos-sible through "spreading," for slightly larger tables and thinner crowns. However, there is general agreement that the angles of the Tolkowsky Theoretical Brilliant Cut are op-timum, so any stone of good propor-tions should have a  $40\frac{3}{4}^\circ$  pavilion angle,  $34\frac{1}{2}^\circ$  crown (bezel), (and a girdle of medium thickness). See AMERICAN CUT, SPREAD STONE, SWINDLED STONE, PROPORTIONS. Province of the Cape of Good Hope (also called Cape Province or the Cape). A province in the Republic of South Africa, the north-east and east-central portions of which have been, and are, important diamond-producing areas. The famous mining town of Kimberley is in Cape Prov-ince near the boundary of the Or-ange Free State. puinwassers. A term used to describe washers of old tailing (waste washers) in the South African dia-mond fields. pulsator jig. See jig. Punch Jones Diamond. One of the largest United States diamonds, this 34.46-carat greenish-gray crystal was found in 1928 on Rich Creek near Peterstown, West Virginia. It was dis-covered by Grover C. Jones and his son, William R "Punch" Jones, while playing horseshoes but was not posi-tively identified as a diamond until 1943, when it was examined and tested by Professor Roy J. Holden of Virginia Polytechnic Institute. It is now on permanent display in the Smithsonian Institution, Washington, D.C.