

## Stefan Polonyi: Bearing Lines - Bearing Surfaces



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## STEFAN POLONYI: BEARING LINES - BEARING SURFACES

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Edition Axel Menges. Hardback. Book Condition: new. BRAND NEW, Stefan Polonyi: Bearing Lines - Bearing Surfaces, Ursula Kleefisch-Jobst, Peter Koddermann, Katrin Lichtenstein, Wolfgang Sonne, Text in English & German. Since the 1950s Stefan Polonyi has realised a large number of buildings of all kinds from his Cologne office, working with famous architects all over the world. In his view, load-bearing structure, form and function have to form an indissoluble entity, and thus create an aesthetic appearance: beauty feeds on structural consistency. Very few civil engineers have made claims of this kind. Architects who have worked with Polonyi see this ambitious claim as something that has enriched their own design process. First of all Polonyi, working with Josef Lehmbruck and Fritz Schaller, developed bold folded structures and shells for church buildings, and this at a time before statical calculations were not done by computer, but a lot of things still had to be tried out in model form. Polonyi co-operated closely with Oswald Mathias Ungers on the Galleria for the Frankfurter Messe, among other projects. He made the flying roof for Axel Schultes' Kunstmuseum Bonn possible, supported by a row of irregularly placed columns, and also the undulating metal ceiling in the auditorium of Rem Koolhaas' Nederlands Dans Theater and the umbrella-like roofing for the approach tracks in Cologne's main station. Polonyi's bridges, built from the 1990s in the Ruhr District, have become landmarks in the meantime with their red curved tubes as a structural and aesthetic element. Today he creates his bridges as buildings over the river, so-called Living Bridges. Polonyi's wide range of professional experience had a considerable bearing on his teaching at Berlin and Dortmund Technical Universities. Working with architects Harald Deilmann and Josef Paul Kleihues, Polonyi established the "Dortmund Model for the Building Sciences". It provides joint...

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