

High-tech for sheet metal



Reliable connections for a great climate

Only very few sites can subject the quality of a nonpositive connection to such a hard test as a fan. Seeming at first glance to be quite unspectacular these devices for regulating air flows are however subject at closer inspection to the greatest stress over a long life cycle. At the leading fan manufacturer ZIEHL-ABEGG of Künzelsau PIAS®-piercing nuts from ARNOLD & SHINJO have been firmly established for over twelve years as high quality and cost cutting connecting elements.

ZIEHL-ABEGG ranks among the trendsetters on the fans sector and is seen as one of the leading system providers in drive technology. ZIEHL-ABEGG utilises PIAS® piercing nuts from ARNOLD & SHINJO on axial fans of various properties that above all have to fulfil maximum quality requirements under safety aspects. They are characterised by a comparably high dead weight of up to 50 kg and may under certain circumstances generate correspondingly high pullout forces. Owing to their design the rotor's vibrations induce stress particularly in the connecting elements of the motor mount between the fan and housing. Installed frequently in the direct vicinity of workplaces or for ventilating heavily visited event locations like trade fairs and stadiums they must meet with the maximum safety requirements. Under all conditions PIAS® piercing nuts have proved themselves to be connecting elements that have

successfully passed all safety relevant tests, also under extreme conditions, far beyond the product lifecycle. In the course of destructive long-term tests at ZIEHL-ABEGG research and development laboratories the connectors could furnish impressive proof of their performance over the entire time axis. PIAS® piercing nuts have also proved themselves at sites subjected to high stresses from various external forces. At ZIEHL-ABEGG the piercing nuts have become established as a system solution in conjunction with the corresponding handling technology and return impressive quality and cost results. Mechanical engineer Patrick Neumaier of ZIEHL-ABEGG described the decision in favour of the ARNOLD & SHINJO concept as an "innovative solution". "For us ARNOLD & SHINJO has been not only a reliable supplier for years," explained Neumaier, "but above all a strategic technologies partner on an increasingly competitive sector."

Arnold & Shinjo
GmbH & Co. KG
Max-Planck-Str. 19
D-74677 Dörzbach
Tel. +49 7937 8031-0
Fax +49 7937 8031-50
www.arnold-shinjo.de
info@arnold-shinjo.de

