



 **Transport**

Metro Hydraulic System



Location	Milan, Italy
Grade	304 (EN 1.4301)
Manufacturer	AnsaldoBreda
Date of completion	2015
Source of Information	Centro Inox, Milan, Italy

For a new generation of 30 trainsets, which went into service on the Underground Network of Milan in 2015, the effort to reduce weight was extended to include the hydraulic components. These are placed under the body where they are subjected to both vibrations and corrosive attack. Stainless steel tubes, which had been laser-welded were used. The design specifications included high levels of fatigue and corrosion resistance together with excellent formability to a radius of 2.5 times the outer diameter of the tube. Stainless steel contributed to reducing the energy consumption of these new trains by up to 25% compared with the previous models.