

PRESS RELEASE

Düsseldorf, June 22, 2009

**Three-roll precision block (PSM[®] - Precision Sizing Mill) and
bar steel finishing end from SMS Meer commissioned at
Timken**

The Timken Company, Canton, Ohio, USA, has commissioned jointly with SMS Meer, a company of the SMS group, Germany, the expansion of the existing bar mill at Harrison Steel Mill in Canton, Ohio.

With this expansion, Timken is able to extend the product size range, increased the mill capacity and improved the quality of the SBQ bars produced in the range from 25 mm to 127 mm (round). Tolerances of ½ ASTM and better were already being achieved shortly after commissioning. This reflects the high performance capability of the mill and documents the precision of the hydraulic roll adjustment system.

The scope of supply of SMS Meer comprises a three-roll Precision Sizing Mill (PSM[®]) and a bar finishing end with cooling bed, cut-off unit and loading facilities. The PSM[®] is installed downstream of the existing rolling mill and permits a standardized pass design to be employed in the roughing and intermediate mill (one-family rolling) and the infinitely variable production of finished sizes by means of roll adjustment (free-size rolling).

The precision sizing mill consists of five roll cassettes each with three rolls. The rolls are positioned hydraulically and permit adjustment even under load, including Automatic Gage Control (AGC) and monitor control using a laser measuring device installed downline of the PSM[®] for product size measurement. A CARTA[®] process model is provided for setting the process parameters. SMS Meer has also supplied the complete electrical equipment. The automation system was jointly developed by SMS Meer and Timken.

(27 lines with max. 55 letters)