

NEWS RELEASE



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2013 ANNUAL FORGING INDUSTRY SALES RELEASED BY FORGING INDUSTRY ASSOCIATION

*Open Die Shipments see decline while Impression Die and Rolled Ring
Shipments remain even*

CLEVELAND, OHIO -- Final revised figures showing 2013 sales of metal forgings produced by independent (custom) forging plants in the United States, Canada and Mexico have been released by Forging Industry Association (FIA). Figures are broken out by the three major forging processes.

CUSTOM FORGING INDUSTRY SALES IN NORTH AMERICA (encompassing all metals forged in millions of U.S. \$)

<u>Year</u>	<u>Impression Die</u>	<u>Open Die</u>	<u>Seamless Rings</u>
2013	7313.3	1841.3	1604.0
2012	7336.9	2177.8	1603.6
2011	6371.9	2191.6	1485.0
2010	5287.8	1685.6	1258.4
2009	4832.1	1521.6	1298.2
2008	6084.8	2035.0	1785.8
2007	6149.8	1786.9	1450.1
2006	5870.3	1520.7	1220.1
2005	5641.1	1226.4	861.0
2004	4907.4	901.5	607.4
2003	3901.8	647.1	522.2
2002	4041.2	682.2	532.9

CUSTOM IMPRESSION DIE FORGING

Total industry shipments for the custom impression die forging industry at \$7,313,261,000 in 2013, decreased slightly from \$7,336,853,000 (adj) in 2012. Bookings of impression die forging orders during 2013 increased to \$7,123,978,000, 7% above 2012's figure of \$6,670,024,000. The automotive sector (passenger cars/light trucks/SUV's and parts) with 30.9%, took first at 10% over reported 2012 dollars. The aerospace commercial sector took second place with 20.7% market share in 2013.

CUSTOM OPEN DIE FORGING

Total industry shipments by the custom open die forging industry with \$1,841,283,000 in 2013 was 15% below 2012's \$2,177,842,000. Bookings of open die forging orders during 2013 amounted to \$1,778,473,000 6.4% below the \$1,899,092,000 reported in 2012. In 2013 oil/gas field machinery and equipment remained in the lead for open die market segments with 22.4% market share. Defense which includes aerospace military, military heavy vehicles and ordnance/guided missiles and naval related/navy nuclear took second place with 15.1% market share.

CUSTOM SEAMLESS ROLLED RING FORGING

Total 2013 industry shipments for the custom seamless rolled ring forging industry increased to \$1,604,044,000, slightly above 2012's volume of \$1,603,572,000. Bookings of seamless rolled ring forgings for 2013 increased to \$1,591,131,000, 3% above 2012's \$1,537,735,000. Aerospace-commercial accounted for the majority of seamless rolled rings produced, with a market share of 48.3% in 2013. Oil & gas field machinery and equipment stayed in second place, with a 12.0% market share.

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NOTE: FIA's Annual Report of industry sales is based on information compiled from companies believed to have produced an average of 89% of 2013's total custom forging sales. The report is statistically treated to represent 100% of industry shipments in the custom forging industry. Figures quoted in this release do not include forgings produced for captive use or standard catalog products. Components produced via the cold forging process are also excluded from this report.

FORGING INDUSTRY ASSOCIATION, with headquarters in Cleveland, Ohio, is comprised of 112 North American producers of forged metal components, accounting for 208 plants producing 77% of the custom forging volume produced annually. Forged metal parts are pressed, pounded or rolled into countless configurations, and used for critical applications in the aerospace, automotive, construction, materials handling, ordnance, hand tool, agricultural and industrial equipment industries -- to name a few! In addition, 90 firms supplying equipment, materials, services or supplies to the forging industry are also members of FIA. The Association, with its predecessor organizations, has served the metal forging industry since 1913.

For more information on metal forging processes, the forging industry or FIA member companies, visit the forging industry website at www.forging.org.