Newly Developed Flute Form

Emuge Corp., the leader in tapping technology for more than 90 years, today introduced a new line of NPT Taper Pipe Taps that features a newly developed flute form with variable skip tooth geometry. The advanced flute design optimizes chip flow and clearance and lowers tapping torque, which is ideal for materials that produce long, stringy chip formations. Taper pipe threads have a much higher volume of chip removal in the tapping process compared to straight UN screw threads, especially in materials that are prone to clogging flutes with long chip strings, such as aluminum, carbon steels, stainless steels and mold steels. Emuge NPT taps significantly improve chip flow, provide better thread finish and gaging, in addition to higher production rates due to less machine downtime.

“The new flute design on the Emuge NPT taps allows for improved chip flow and chip clearance, which results in longer tap life than conventional pipe taps that often pre-maturely fail due to severe chipping of the cutting teeth or total breakage due to chip clogging,” stated Mark Hatch, Product Director, Threads and Taps at Emuge Corp.

The new taps are precision ground to produce internal NPT pipe threads to a close tolerance on thread dimensions and limits of size, and with excellent surface quality on the thread flanks to consistently achieve tight, leak-free joints at assembly. Constructed of premium high speed steel and PVD coated for longer tool life and improved thread finish, the new taps will be stocked in pipe sizes 1/16 NPT thru 1” NPT, and in two

overall lengths. Taps will be offered in standard ANSI length, and the longer DIN length which allows for additional reach, chip clearance, and delivery of coolant -- ideal for use on CNC machines with rigid (synchronous) tapping capabilities. The

taps are offered in bright finish for wrought aluminum materials and TiN coated for steel materials. TiCN coating is also available upon request. The new Emuge NPT taps are now fully in stock at Emuge's North American headquarters.

Emuge Corp.
800-323-3013; www.emuge.com [1]

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