NPA

New Product Announcement

Self Centering Geometry

Strong Reinforced Body

Noise Reduction

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ISCAR

CHAMSPADEIQ

IFHP-BD Drilling Solutions with Dedicated Tools for Profile Construction Beams

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NEW PREVIEW

CHAMSPADEIQ
IFHP-BD Drilling Solutions with Dedicated Tools for Profile Construction Beams.

Highlights
Cham-Spade-IQ Solution Designed for Drilling Structural Beams.

Steel construction beams are used for metal construction and require precise preparation in advance for drilling process assembly. However, the clamping mechanisms on the machines often lack rigidity and present a challenge for drilling tools. To overcome these limitations, it is imperative that drilling tools possess adaptive geometries to compensate for non-rigid conditions for smooth drilling performance.

ISCAR has made significant efforts to broaden its range of drilling solutions. It has provided highly productive tools and advanced technologies for holemaking applications.

ISCAR launches a newly designed IFHP-BD insert, that features a dedicated self-centering cutting edge which guarantees secure hole penetration, while its sharp corners effectively prevent the formation of burrs. Together with a reinforced holder it provides an effective solution for drilling relatively thin workpieces under unstable conditions. In addition, the coating of the insert has been optimized for machining construction steels, for improved wear resistance.

The reinforced tool bodies are available in 5xD ratio.

For short overhang the standard 1.5D and 3D Cham-Spade-IQ tools could be used.

The drilling heads are Self Centering Geometry.
Diameter range: Ø33 – Ø40mm
Dedicated geometry of the drilling head.

Features
- The self-centering capability of the drill
- Extremely quite drilling process
- Accurate hole operations
- Eliminates the need for deburring

Dedicated IC954 with tough substrate TiAlCrN PVD coated grade for high deformation resistance that substantially improves the efficiency and reliability of the insert.

Highly efficient with performance MQL (Minimum Quantity Lubrication).

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