



AISI S923-20



**American
Iron and Steel
Institute**

AISI STANDARD

Test Standard for Determining the Strength and Stiffness of Shear Connections of Composite Members

2020 Edition



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Approved by
the AISI Committee on Specifications for the Design of
Cold-Formed Steel Structural Members

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The material contained herein has been developed by the American Iron and Steel Institute Committee on Specifications for the Design of Cold-Formed Steel Structural Members. The organization and the Committee have made a diligent effort to present accurate, reliable, and useful information on testing of cold-formed steel members, components, or structures. The Committee acknowledges and is grateful for the contributions of the numerous researchers, engineers, and others who have contributed to the body of knowledge on the subject. With anticipated improvements in understanding of the behavior of cold-formed steel and the continuing development of new technology, this material will become dated. It is anticipated that future editions of this test procedure will update this material as new information becomes available, but this cannot be guaranteed.

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PREFACE

The American Iron and Steel Institute Committee on Specifications developed this *Standard* to determine the strength and stiffness of shear connections in composite members through testing.

This *Standard* is intended for adoption and use when the strength and stiffness of the shear connections are needed in the design of composite members composed by concrete slabs or concrete-filled deck connected to steel members.

The Committee acknowledges and is grateful for the contribution of the numerous engineers, researchers, producers and others who have contributed to the body of knowledge on this subject. Special thanks are given to Brian Gerber, J.R. Ubejd Mujagic, and members of the Composite Design Subcommittee for drafting and providing inputs to the *Standard*.

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