

# ORTHOFIX Connector System

A Comprehensive Solution



## Titanium Alloy Expandable

The Connector System is a comprehensive system designed to reduce the complexity of revising and extending existing spinal constructs. The system includes a variety of Rod-to-Rod Connectors, Bypass Connectors, Axial In-Line Connectors and Z Rods as well as unique instrumentation intended to facilitate the removal of bony anatomy. The Connector System eliminates the need to remove existing hardware while providing stability at adjacent levels.



**ORTHOFIX**  
Connector System

# System Overview

## Rod-to-Rod Connectors

Rod-to-Rod connectors encompass a variety of options for simple to complex revision procedures. The connectors are compatible with rod diameters ranging from 3.0mm to 6.35mm, and are available in 12mm, 16mm, and 18mm rod spacing, to accommodate various posterior surgical approaches.

Side/Top



Side Interface:  $\varnothing$ 4.75 - 6.35mm  
Top Interface:  $\varnothing$ 5.5 - 6.0mm

Side/Side



Side Interface(s):  $\varnothing$ 4.75 - 6.35mm

Side/Front



Side/Front Interface:  $\varnothing$ 4.75 - 6.35mm

Front/Front



Front Interface(s):  $\varnothing$ 4.75 - 6.35mm

Small Side/Front



Side Interface:  $\varnothing$ 4.75 - 6.35mm  
Front Interface:  $\varnothing$ 3.0 - 3.5mm

## Bypass Connectors

Bypass Connectors are low-profile implants that navigate around one or two existing screw bodies. The connectors can attach to rod diameters ranging from 4.75mm to 6.35mm. U-Style Connectors utilize two set screws and incorporate a 5.5mm x 200mm offset rod extension. 16mm and 34mm Bypass Connectors utilize a single set screw and incorporate a 5.5mm x 200mm in-line rod extension.

U-Style



16mm

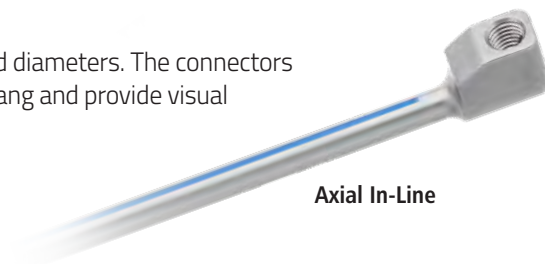


34mm



## Axial In-Line Rod Connectors

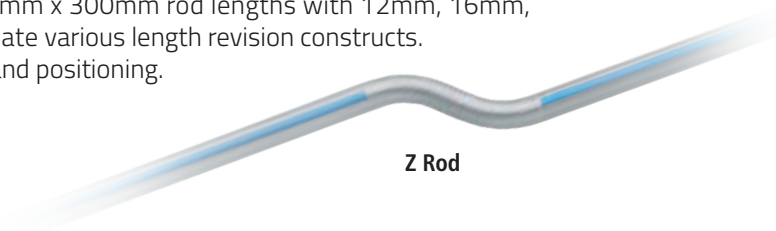
Axial In-Line Rod Connectors attach to 4.75mm to 6.35mm rod diameters. The connectors feature a rod pocket and visualization hole to accept rod overhang and provide visual confirmation of rod engagement.



Axial In-Line

## Z Rods

5.5mm x 150mm x 150mm and 5.5mm x 150mm x 300mm rod lengths with 12mm, 16mm, and 18mm offsets are available to accommodate various length revision constructs. All rods are lined to assist with rod contouring and positioning.



Z Rod

## Set Screws

Large and small set screws are used to secure the connectors to existing constructs. Both set screws feature a 3.7mm hex interface and a 60 in. lbs. torque value. The large set screw incorporates a buttress thread design to minimize cross threading.



Small Set Screw

Large Set Screw

# Set Configuration

## Implants

Part #	Description
79-2002	Large Set Screw
79-2003	Small Set Screw
79-2100	12mm Side/Top Loading Connector
79-2105	12mm Side/Front Loading Connector
79-2115	12mm Side/Side Loading Connector
79-2155	12mm Front/Front Loading Connector
79-2110	12mm Small Side/Front Loading Connector
79-2600	16mm Side/Top Loading Connector
79-2605	16mm Side/Front Loading Connector
79-2615	16mm Side/Side Loading Connector
79-2655	16mm Front/Front Loading Connector
79-2800	18mm Side/Top Loading Connector
79-2805	18mm Side/Front Loading Connector
79-2815	18mm Side/Side Loading Connector
79-2855	18mm Front/Front Loading Connector

Part #	Description
79-2160	Single Bypass Connector, U-Style, Left
79-2165	Single Bypass Connector, U-Style, Right
79-2120	16mm Single Bypass Connector, Left
79-2125	16mm Single Bypass Connector, Right
79-2130	34mm Double Bypass Connector, Left
79-2135	34mm Double Bypass Connector, Right
79-2150	12mm Offset Z Rod, 150mm x 150mm
79-2300	12mm Offset Z Rod, 150mm x 300mm
79-6150	16mm Offset Z Rod, 150mm x 150mm
79-6300	16mm Offset Z Rod, 150mm x 300mm
79-8150	18mm Offset Z Rod, 150mm x 150mm
79-8300	18mm Offset Z Rod, 150mm x 300mm
79-2140	Axial In-Line Connector with Rod

## Instruments

Part #	Description
52-1041	Trial Rod, 200mm
79-1001	Straight Implant Inserters
79-1002	Threaded Implant Inserters
79-1003	Curved Rasp
79-1004	Underbite Rongeur
79-1005	Set Screw Inserters

Part #	Description
79-1006	Set Screw Driver
79-1007	Connector Counter Torque Wrench
79-1008	Rod Pliers/Holder
79-1010	Connector Torque Limiting Handle
79-1012	Bone Chisel
79-1014	Tamp

## Cases & Trays

Part #	Description
79-1091	Case
79-1091B	Base
20123806	Lid
79-8315	Middle Tray-Level
79-8317	Bottom Tray-Level
79-9301	Side Loading Connector Caddy
79-9302	Side/Front Loading Connector Caddy
79-9303	Front Loading Connector Caddy
79-8310	16mm Front Loading Caddy
79-8311	18mm Front Loading Caddy
79-8312	16mm Side Loading Caddy
79-8313	18mm Side Loading Caddy
79-9304	Small Set Screw Caddy
79-9305	Large Set Screw Caddy
79-8314	Top Tray-Level
79-8316	Ancillary Implant Caddy

## Optional Caddies

Part #	Description
79-9093	<b>16mm Front Loading Caddy Kit</b>
79-2605	16mm Side/Front Loading Connector
79-2655	16mm Front/Front Loading Connector
79-9094	<b>16mm Side Loading Caddy Kit</b>
79-2600	16mm Side/Top Loading Connector
79-2615	16mm Side/Side Loading Connector
79-9095	<b>18mm Front Loading Caddy Kit</b>
79-2805	18mm Side/Front Loading Connector
79-2855	18mm Front/Front Loading Connector
79-9096	<b>18mm Side Loading Caddy Kit</b>
79-2800	18mm Side/Top Loading Connector
79-2815	18mm Side/Side Loading Connector

# Features and Benefits

## All-Inclusive System

Comprehensive offering eliminates the need to remove existing hardware for revision procedures

## Improved Intra-Operative Efficiency

May decrease operative time and potential complications as existing hardware doesn't have to be removed

## Bone-Preparation Instruments

Facilitates fusion mass removal commonly associated with revision procedures

## Compatible with Multiple Orthofix Spinal Fixation Systems

Accommodates multiple posterior surgical approaches and rod diameters

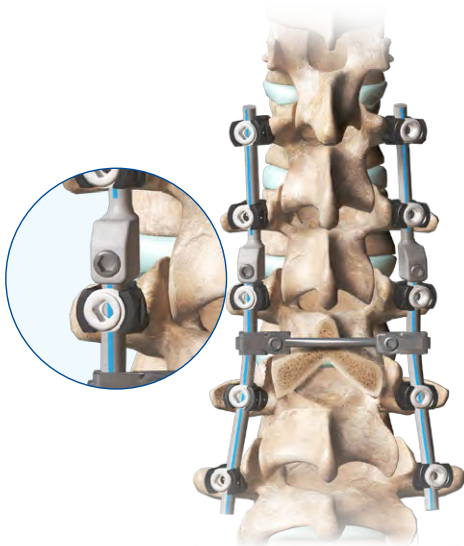
## Rigid Fusion Constructs

Revision implants provide mechanical stability at target and adjacent levels

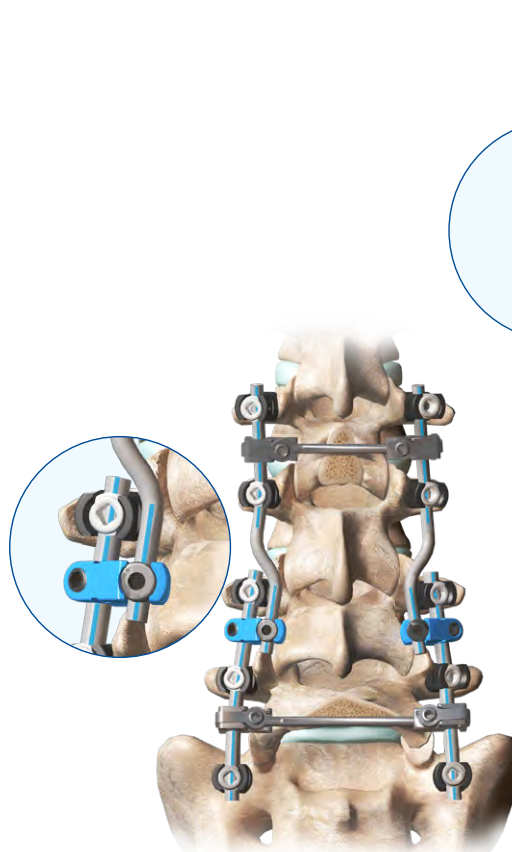
## Low-Profile Implants

Implants are designed to minimize interference with bony anatomy

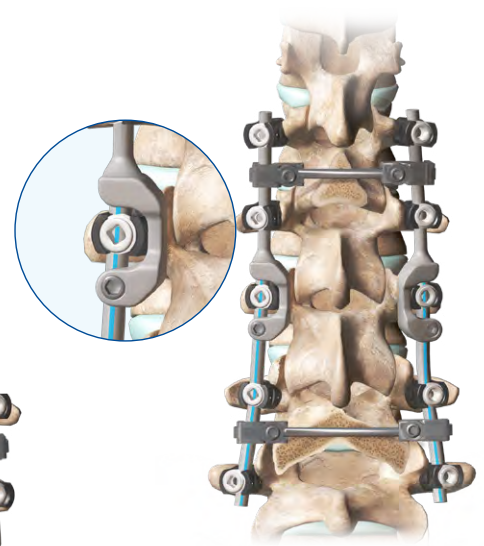
# Typical Constructs



**Axial In-Line  
Connector Construct**



**Side/Top and Z Rod  
Connector Construct**



**Bypass  
Connector Construct**

Please visit [Orthofix.com/IFU](https://www.orthofix.com/IFU) for full information on indications for use, contraindications, warnings, precautions, adverse reactions and sterilization.

Caution: Federal law (USA) restricts this device to sale by or on the order of a physician. Proper surgical procedure is the responsibility of the medical professional. Operative techniques are furnished as an informative guideline. Each surgeon must evaluate the appropriateness of a technique based on his or her personal medical credentials and experience.



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