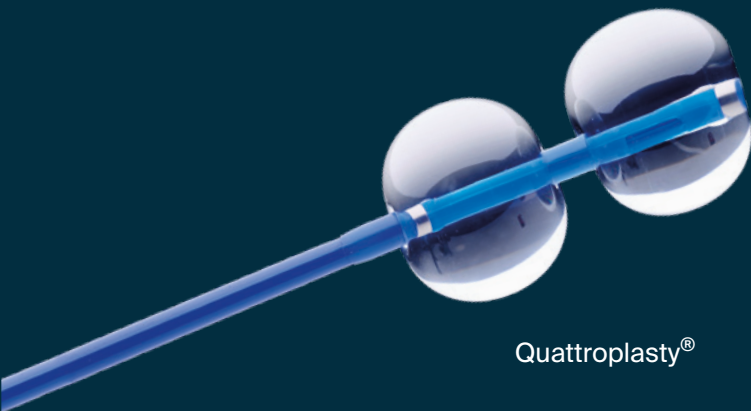
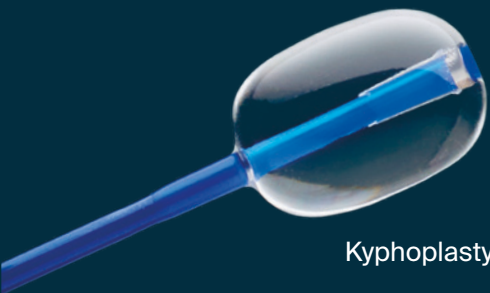


**U.S.**

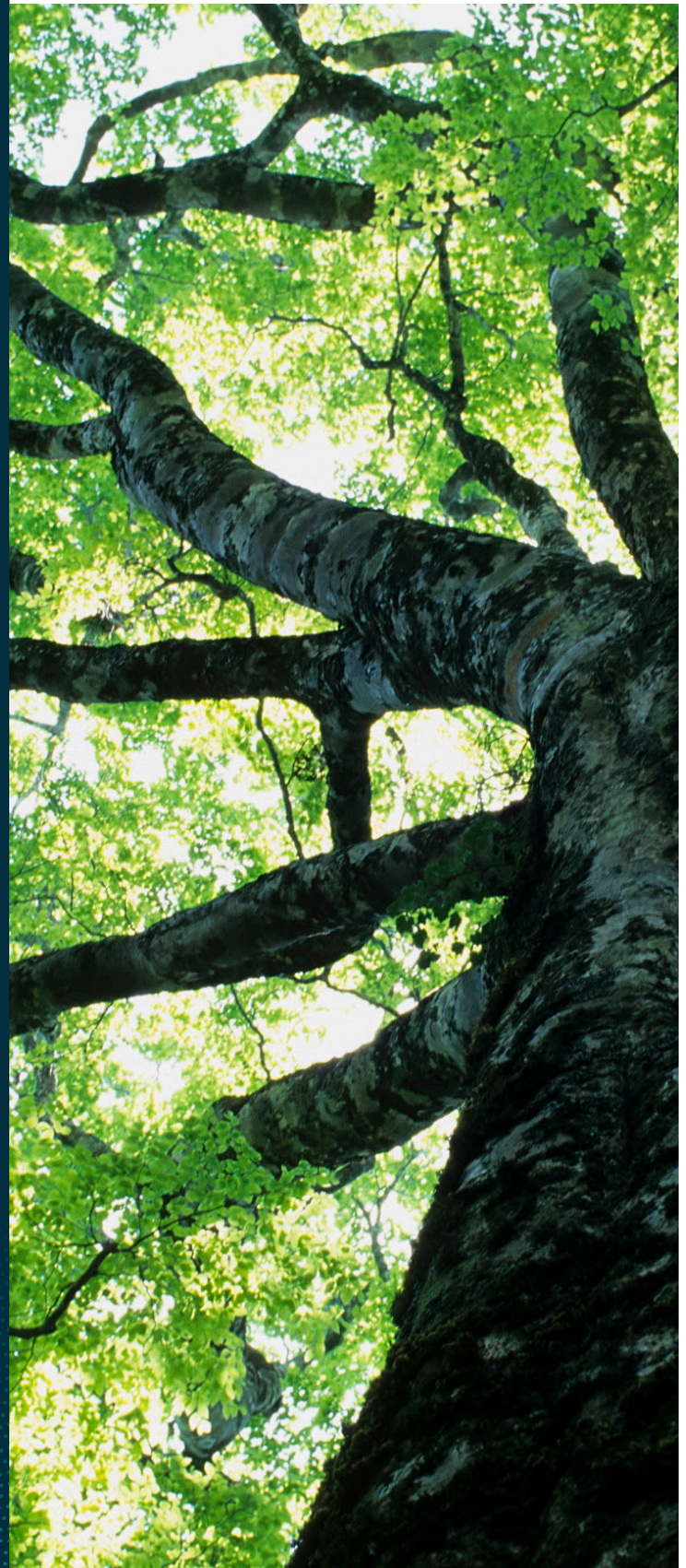
# Innovation in spine surgery



Quattroplasty<sup>®</sup>



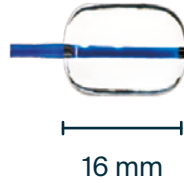
Kyphoplasty



Spine

# Kyphoplasty

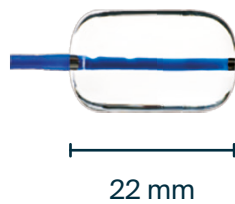
## Single Balloon Catheter



16 mm

### US9402 – Kypho Balloon Catheter 16/16

Ø 16 mm, Balloon length = 16 mm,  
max. pressure 27 atm (400 psi) / max. vol. 4 ml



22 mm

### US9403 – Kypho Balloon Catheter 22/16

Ø 16 mm, Balloon length = 22 mm,  
max. pressure 27 atm (400 psi) / max. vol. 6 ml

## Product Information – Single Balloon Kits / Kyphoplasty Kits

### Smart Kits

### Smart Kits RapidIntro Bevel Tip

#### US7NA2110

Balloon: Ø 16 mm  
Balloon length: 16 mm

#### US7NA2120

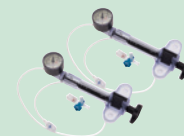
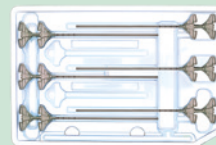
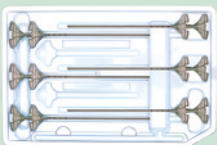
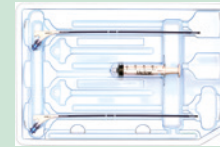
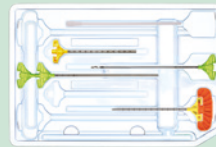
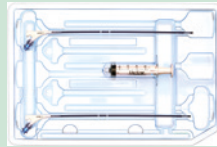
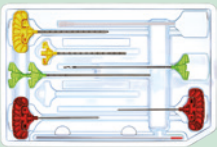
Balloon: Ø 16 mm  
Balloon length: 22 mm

#### US7NR2110

Balloon: Ø 16 mm  
Balloon length: 16 mm

#### US7NR2120

Balloon: Ø 16 mm  
Balloon length: 22 mm



#### Kit components:

2 x Vertebra Access Device  
2 x Guide Pin, blunt  
2 x Cannula Plug  
1 x Vertebra Introducer Device  
1 x Vertebra Introducer Cannula

1 x Vertebra Biopsy Device  
1 x Bone Drill  
2 x Single Balloon Catheter  
1 x Vacuum Syringe  
2 x Inflation Device  
6 x Vertebra Filler Device (frontal opening)

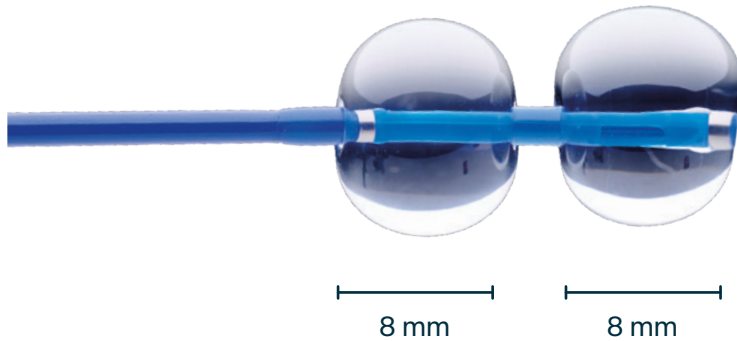
#### Kit components:

1 x RapidIntro Bevel Tip  
2 x Cannula Plug  
1 x Vertebra Introducer Cannula  
1 x Vertebra Biopsy Device  
1 x Bone Drill  
2 x Single Balloon Catheter

1 x Vacuum Syringe  
2 x Inflation Device  
6 x Vertebra Filler Device (frontal opening)

# Quattroplasty® Double Balloon Catheter

## Stop'n GO Double Balloon Catheter 2 x 8 mm



### US9420 - Stop'n GO Double Balloon Catheter 2 x 8 mm

Ø 16 mm, Balloon length = 2 x 8 mm  
max. pressure 27 atm (400 psi) / max. vol. 2 x 3 ml

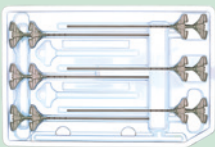
## Advantages over Single Balloon

- 1 With the Stop'n GO Double Balloon Catheter, the surgeon uses up to **FOUR** balloons in one vertebral body.
- 2 The pressure and volume of each single balloon is adjusted separately.
- 3 The necessary force is directed to the desired point to reconstruct the vertebral body step by step.
- 4 Bone Cement application

## Product Information – Double Balloon Kits / Quattroplasty® Kits

### Smart Kit Stop'n GO 2 x 8 mm for Quattroplasty®

**US7NA2200**  
Balloons: 2 x Ø 16 mm  
Balloon length: 2 x 8 mm

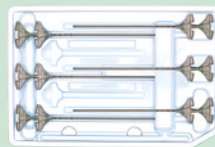
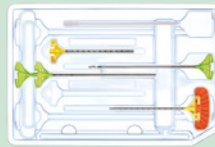


#### Kit components:

- 2 x Stop'n GO Double Balloon Catheter
- 2 x Vertebra Access Device
- 2 x Guide Pin, blunt
- 2 x Cannula Plug
- 1 x Vertebra Introducer Device
- 1 x Vertebra Introducer Cannula
- 1 x Vertebra Biopsy Device
- 1 x Bone Drill
- 2 x Balloon Adaptor
- 1 x Vacuum Syringe
- 2 x Inflation Device
- 6 x Vertebra Filler Device (frontal opening)

### Smart Kit RapidIntro Bevel Tip Stop'n GO 2 x 8 mm for Quattroplasty®

**US7NR2200**  
Balloons: 2 x Ø 16 mm  
Balloon length: 2 x 8 mm

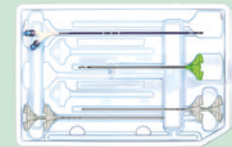


#### Kit components:

- 2 x Stop'n GO Double Balloon Catheter
- 1 x RapidIntro Bevel Tip
- 2 x Cannula Plug
- 1 x Vertebra Introducer Cannula
- 1 x Vertebra Biopsy Device
- 1 x Bone Drill
- 2 x Balloon Adaptor
- 1 x Vacuum Syringe
- 2 x Inflation Device
- 6 x Vertebra Filler Device (frontal opening)

### Smart Kit Mod. OnePedicle Kit Stop'n GO 2 x 8 mm for Quattroplasty®

**US7NN1200**  
Balloons: 2 x Ø 16 mm  
Balloon length: 2 x 8 mm



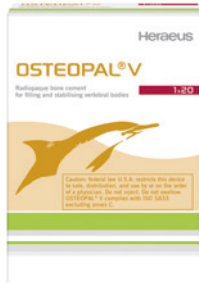
#### Kit components:

- 1 x Stop'n GO Double Balloon Catheter
- 1 x Bone Drill
- 1 x Balloon Adapter
- 1 x Vacuum Syringe
- 1 x Inflation Device
- 2 x Vertebra Filler Device (frontal opening)

# Quattroplasty® / Kyphoplasty Accessories



## Bone Cement



**US9704**  
Osteopal® V Bone Cement

## The QuattroMix® System



Stand



Funnel



Mixing unit



Mixing cylinder



Union spindle



**US9620**  
QuattroMix®

## Application Instruments



**US9604**  
Vertebra Filler Device flexPlunger (frontal opening)



**US9601**  
Vertebra Filler Device  
(frontal opening)



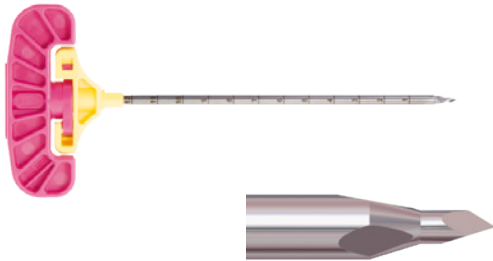
**US9602**  
Vertebra Filler Device  
(side opening)



# Quattroplasty® / Kyphoplasty One-Step Devices

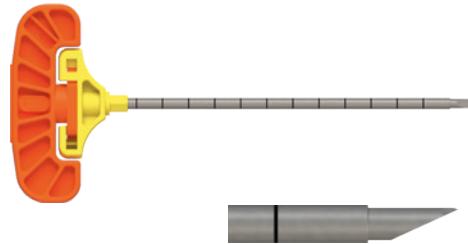


## SpeedTrack Device



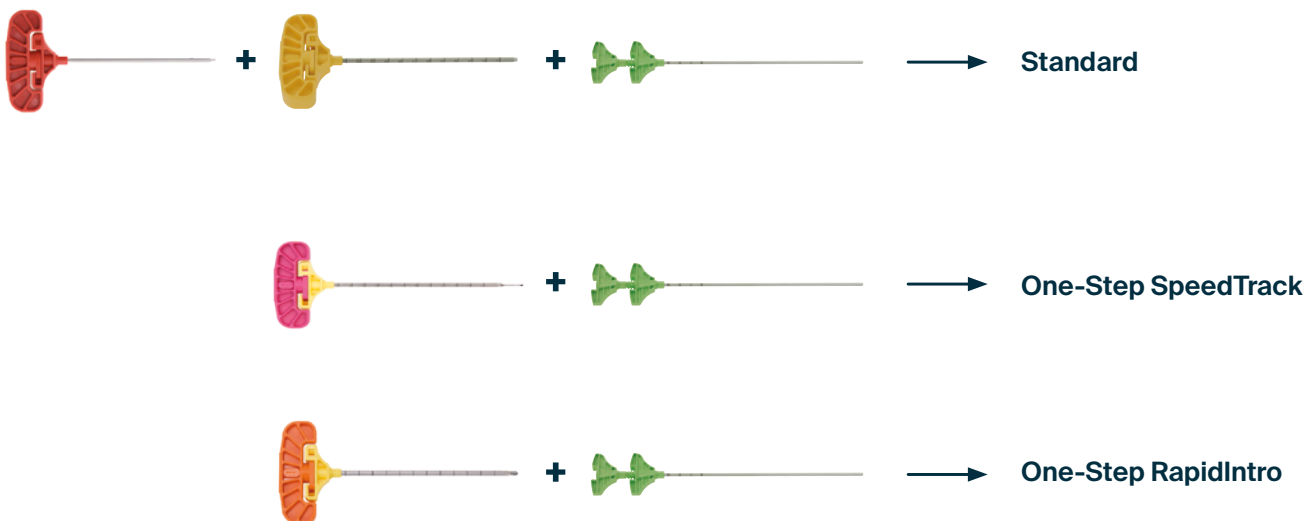
**US9312**  
SpeedTrack Short Tip  
Introducer Cannula & Stylet

## RapidIntro Device

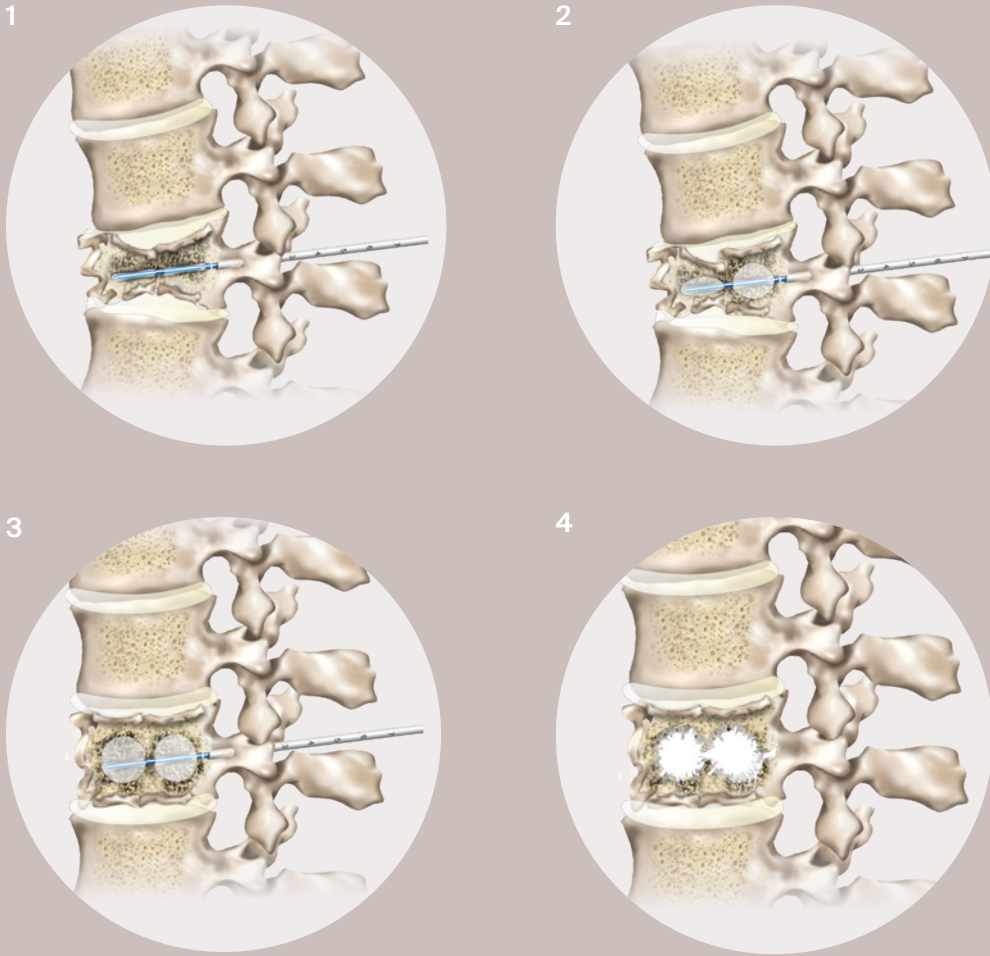


**US9213**  
RapidIntro Bevel Tip  
Introducer Cannula & Stylet

## Color Coded System



# Quattroplasty® Double Balloon



**Joline**® Medical  
Inc.

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