

# LARGE VESSEL CATHETERIZATION SETS



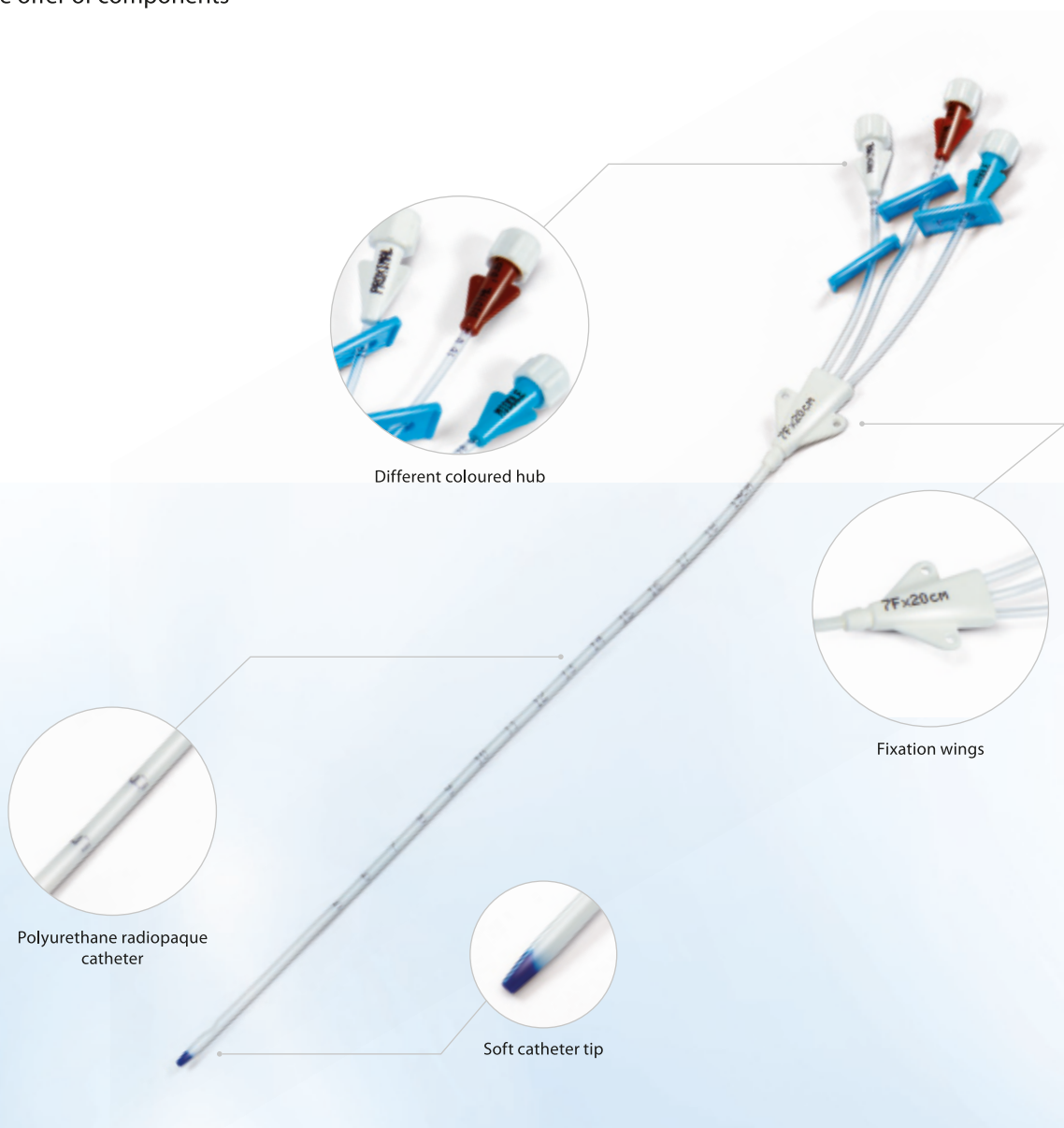
**BALTON**<sup>®</sup>

BALTON  
since  
1980

CE 2409

## Benefits of central venous catheters (CVC):

- Separated lumen on the total length of the catheter
- Intuitive color code hubs for an easy and safe injection
- Ergonomic fixation wings to secure optimally the catheter to the patient's skin
- Markers to ensure accurate positioning
- Polyurethane radiopaque, elastic and kinking resistant catheter during positioning under X-rays
- Soft catheter tip
- Wide offer of components





Set enables easy vessel cannulation

#### INDICATED THERAPIES

Large vessel catheterization catheters are intended for:

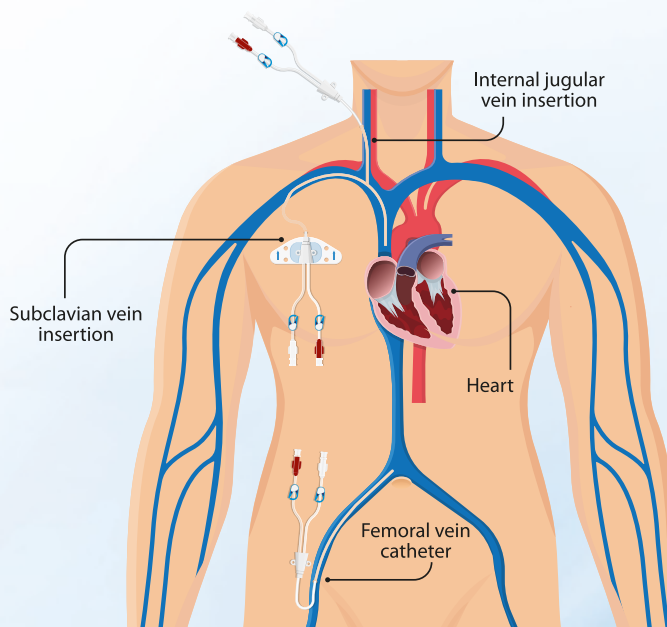
- Intravenous therapy when peripheral venous access is impossible
- Administration of noxious drugs
- Parenteral nutrition especially in chronic diseases
- Hemodynamic monitoring of the central venous pressure
- Peripheral blood stem cell collections

#### PRODUCT DESCRIPTION

The elements of the large vessel catheterization sets are inserted into veins which are in the direct contact with the central circulatory system, i.e. both vena cava superior and inferior. In specific situations (a long guidewire or patient's anatomy) the device can be in direct contact with central circulatory system.

Drugs and other substances injected via catheters can effect directly the central circulatory system (including the heart).

Catheter is placed into a large vein on the level of the neck (internal jugular vein), on the level of chest (subclavian vein or axillary vein) or at the groin (femoral vein).



Central Venous Catheter



# LARGE VESSEL CATHETERIZATION SET

## PEDIATRIC



### SINGLE LUMEN CATHETER WITH SPLIT CANNULA, PEDIATRIC

| Most commonly used sizes

Reference:	Catheter size	Gauge	Catheter length [cm]	Split cannula size	Needle length [mm]
ZKDN1.2F18IR	1.2F	27	18	22G	19
ZKDN1.2F32IR	1.2F	27	32		
ZKDN2F18IR	2F	22	18	20G	25
ZKDN2F32IR	2F	22	32		

**NOTE: NOTE:** On demand, it is possible to provide catheters with hydrophilic coating. While ordering, add the following ending to the reference index: H – Hydrophilic coating. E.g.: ZKDN2F18IRH

| **On request** (please contact us for more information)

ZKDN1.2F (length from 5 to 32 cm)IR  
ZKDN2F (length from 5 to 32 cm)IR



### SINGLE LUMEN CATHETER FOR SELDINGER TECHNIQUE, PEDIATRIC

| Most commonly used sizes

Reference:	Catheter size	Gauge	Catheter length [cm]	Dilatator size	Needle size	Needle length [mm]	Guide wire size [inch]	Guide wire length [cm]	Guide wire type
ZKDN2F8	2F	22	8	---	22G	38	.014	35	straight
ZKDN2F10	2F	22	10	---	20G		.022	40	"J"
ZKDN3F10	3F	19	10	4F		50		.027	
ZKDN3F15	3F	19	15	4F	19G		60		
ZKDN4F10	4F	17	10	5F		50			
ZKDN4F15	4F	17	15	5F	20				
ZKDN4F20	4F	17	20	5F					

**NOTE:** On demand, it is possible to select additional components. While ordering, add the following endings to the reference index: Y – Y hub; SR – Guiding syringe 5 ml; KLLT – TEGO connector; BL – Blocking switch; V – One way valve cap; E – ECG flex; KLLI – Injection cap; IZK – Catheter introducer; N – Nitinol guide wire; H – Hydrophilic coating. E.g.: ZKDN4F20YKLLT

| **On request** (please contact us for more information)

ZKDN2F (length from 5 to 20 cm)      ZKDN4F (length from 5 to 45 cm)  
ZKDN3F (length from 5 to 45 cm)      ZKDN4.5F (length from 5 to 45 cm)

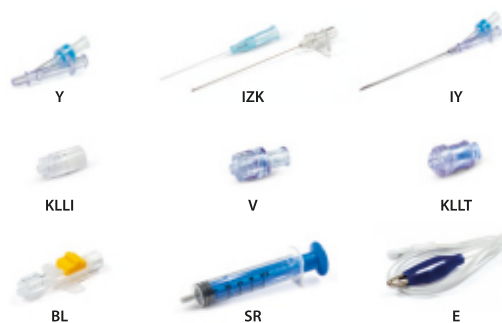


# LARGE VESSEL CATHETERIZATION SET

Standard set components



Optional set components



## SINGLE LUMEN CATHETER FOR SELDINGER TECHNIQUE

| Most commonly used sizes

Reference:	Catheter size	Gauge	Catheter length [cm]	Dilatator size	Needle size	Needle length [mm]	Guide wire size [inch]	Guide wire length [cm]	Guide wire type
ZKDN5F10	5F	16	10	6F	18G	70	.035	48	"J"
ZKDN5F15	5F	16	15	6F				48	
ZKDN5F20	5F	16	20	6F				60	
ZKDN5F30	5F	16	30	6F				80	
ZKDN6F15	6F	14	15	7F			48	.038	
ZKDN6F20	6F	14	20	7F			60		
ZKDN6F30	6F	14	30	7F			80		
ZKDN7F15	7F	13	15	8F			48		
ZKDN7F20	7F	13	20	8F			60		
ZKDN7F30	7F	13	30	8F			80		
ZKDN7.5F15	7.5F	12.5	15	8F			48		
ZKDN7.5F20	7.5F	12.5	20	8F			60		
ZKDN8F15	8F	12	15	9F			48		
ZKDN8F20	8F	12	20	9F			60		
ZKDN9F15	9F	11	15	10F			48		
ZKDN9F20	9F	11	20	10F			60		
ZKDN10F20	10F	10	20	10F			60		
ZKDN11F20	11F	9	20	12F			60		

**NOTE:** On demand, it is possible to select additional components. While ordering, add the following endings to the reference index:  
 Y – Y hub; SR – Guiding syringe 5 ml; KLLT – TEGO connector; BL – Blocking switch; V – One way valve cap; E – ECG flex; KLLI – Injection cap;  
 IZK – Catheter introducer; IY – V needle; N – Nitinol guide wire; H – Hydrophilic coating.  
 E.g.: ZKDN5F20YKLLT

| **On request** (please contact us for more information)

ZKDN5F (length from 5 to 60 cm)  
 ZKDN5.5F (length from 5 to 60 cm)  
 ZKDN6F (length from 5 to 60 cm)  
 ZKDN7F (length from 5 to 60 cm)

ZKDN7.5F (length from 5 to 60 cm)  
 ZKDN8F (length from 5 to 60 cm)  
 ZKDN7F (length from 5 to 60 cm)  
 ZKDN7.5F (length from 5 to 60 cm)

ZKDN8F (length from 5 to 60 cm)  
 ZKDN9F (length from 5 to 60 cm)  
 ZKDN10F (length from 5 to 60 cm)  
 ZKDN11F (length from 5 to 60 cm)



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# LARGE VESSEL CATHETERIZATION SET

## DOUBLE LUMEN CATHETER FOR SELDINGER TECHNIQUE

| Most commonly used sizes

Reference:	Catheter size	Gauge	Catheter length [cm]	Dilatator size	Needle size	Needle length [mm]	Guide wire size [inch]	Guide wire length [cm]	Guide wire type
ZKDND3F10	3F	22/23	10	4F	21G	38	.017	48	"J"
ZKDND3F15	3F	22/23	15	4F				48	
ZKDND3F20	3F	22/23	20	4F				60	
ZKDND4F10	4F	20/21	10	5F	20G		.022	48	
ZKDND4F15	4F	20/21	15	5F				48	
ZKDND4F20	4F	20/21	20	5F				60	
ZKDND4F30	4F	20/21	30	5F	19G	50		80	
ZKDND5F10	5F	17/19	10	6F				48	
ZKDND5F15	5F	17/19	15	6F				48	
ZKDND5F20	5F	17/19	20	6F			60		
ZKDND5F30	5F	17/19	30	6F			80		
ZKDND6F15	6F	17/18	15	7F			.027	48	
ZKDND6F20	6F	17/18	20	7F	60				
ZKDND6F30	6F	17/18	30	7F	80				
ZKDND7F15	7F	16/16	15	8F	18G	70	.035	48	
ZKDND7F20	7F	16/16	20	8F				60	
ZKDND7F30	7F	16/16	30	8F				80	
ZKDND8F15	8F	15/15	15	9F				48	
ZKDND8F20	8F	15/15	20	9F				60	
ZKDND8F30	8F	15/15	30	9F				80	
ZKDND9F15	9F	14/15	15	10F	10F	48	60		
ZKDND9F20	9F	14/15	20	10F			60		
ZKDND10F15	10F	14/14	15	10F			48		
ZKDND10F20	10F	14/14	20	10F			60		
ZKDND11F15	11F	13/13	15	12F			48		
ZKDND11F20	11F	13/13	20	12F			60		

**NOTE:** On demand, it is possible to select additional components. While ordering, add the following endings to the reference index:  
 Y – Y hub; SR – Guiding syringe 5 ml; KLLT – TEGO connector; BL – Blocking switch; V – One way valve cap; E – ECG flex; KLLI – Injection cap;  
 IZK – Catheter introducer; IY – V needle; N – Nitinol guide wire; H – Hydrophilic coating.  
 E.g.: ZKDND6F20YKLLT

| **On request** (please contact us for more information)

ZKDND3F (length from 5 to 30 cm)  
 ZKDND4F (length from 5 to 30 cm)  
 ZKDND4.5F (length from 5 to 30 cm)  
 ZKDND5F (length from 5 to 30 cm)  
 ZKDND5.5F (length from 5 to 30 cm)

ZKDND6F (length from 5 to 30 cm)  
 ZKDND7F (length from 5 to 30 cm)  
 ZKDND7.5F (length from 5 to 30 cm)  
 ZKDND8F (length from 5 to 30 cm)  
 ZKDND8.5F (length from 5 to 30 cm)

ZKDND9F (length from 5 to 30 cm)  
 ZKDND10F (length from 5 to 30 cm)  
 ZKDND11F (length from 5 to 30 cm)



## TRIPLE LUMEN CATHETER FOR SELDINGER TECHNIQUE

| Most commonly used sizes

Reference:	Catheter size	Gauge	Catheter length [cm]	Dilatator size	Needle size	Needle length [mm]	Guide wire size [inch]	Guide wire length [cm]	Guide wire type
ZKDNT4F10	4F	20/25/25	10	5F	21G	38	.018	48	"J"
ZKDNT4F15	4F	20/25/25	15	5F				48	
ZKDNT4F20	4F	20/25/25	20	5F				60	
ZKDNT4.5F10	4.5F	20/23/23	10	5F				48	
ZKDNT4.5F15	4.5F	20/23/23	15	5F				48	
ZKDNT5F10	5F	20/22/22	10	6F	19G	50	.022	48	
ZKDNT5F15	5F	20/22/22	15	6F				48	
ZKDNT5F20	5F	20/22/22	20	6F				60	
ZKDNT5.5F10	5.5F	19/22/22	10	6F				48	
ZKDNT5.5F15	5.5F	19/22/22	15	6F				48	
ZKDNT6F10	6F	18/20/20	10	7F			.027	48	
ZKDNT6F15	6F	18/20/20	15	7F				48	
ZKDNT6F20	6F	18/20/20	20	7F				60	
ZKDNT7F15	7F	16/18/18	15	8F				48	
ZKDNT7F20	7F	16/18/18	20	8F				60	
ZKDNT7F30	7F	16/18/18	30	8F				80	
ZKDNT7.5F15	7.5F	16/18/18	15	8F				48	
ZKDNT7.5F20	7.5F	16/18/18	20	8F				60	
ZKDNT8F15	8F	14/18/18	15	9F	18G	70	.035	48	
ZKDNT8F20	8F	14/18/18	20	9F				60	
ZKDNT8.5F15	8.5F	14/18/18	15	9F				48	
ZKDNT8.5F20	8.5F	14/18/18	20	9F				60	
ZKDNT9F20	9F	14/16/16	20	10F				60	
ZKDNT11F20	11F	16/14/14	20	12F				60	

**NOTE:** On demand, it is possible to select additional components. While ordering, add the following endings to the reference index:  
**Y** – Y hub; **SR** – Guiding syringe 5 ml; **KLLT** – TEGO connector; **BL** – Blocking switch; **V** – One way valve cap; **E** – ECG flex; **KLLI** – Injection cap;  
**IZK** – Catheter introducer; **IY** – V needle; **N** – Nitinol guide wire; **H** – Hydrophilic coating.  
 E.g.: ZKDNT7F20YKLLT

### | On request (please contact us for more information)

ZKDNT4F (length from 5 to 30 cm)  
 ZKDNT4.5F (length from 5 to 30 cm)  
 ZKDNT5F (length from 5 to 30 cm)  
 ZKDNT5.5F (length from 5 to 30 cm)

ZKDNT6F (length from 5 to 30 cm)  
 ZKDNT7F (length from 5 to 30 cm)  
 ZKDNT7.5F (length from 5 to 30 cm)  
 ZKDNT8F (length from 5 to 30 cm)

ZKDNT8.5F (length from 5 to 30 cm)  
 ZKDNT9F (length from 5 to 30 cm)  
 ZKDNT11F (length from 5 to 30 cm)

## IV-LUMEN CATHETER FOR SELDINGER TECHNIQUE

| Most commonly used sizes

Reference:	Catheter size	Gauge	Catheter length [cm]	Dilatator size	Needle size	Needle length [mm]	Guide wire size [inch]	Guide wire length [cm]	Guide wire type
ZKDNIV7F15	7F	14/17/19/19	15	8F	18G	70	.035	48	"J"
ZKDNIV7F20	7F	14/17/19/19	20	8F				60	
ZKDNIV7F30	7F	14/17/19/19	30	8F				80	
ZKDNIV8F15	8F	14/17/18/18	15	9F				48	
ZKDNIV8F20	8F	14/17/18/18	20	9F				60	
ZKDNIV8.5F15	8.5F	14/16/18/18	15	9F				48	
ZKDNIV8.5F20	8.5F	14/16/18/18	20	9F				60	

**NOTE:** On demand, it is possible to select additional components. While ordering, add the following endings to the reference index:  
**Y** – Y hub; **SR** – Guiding syringe 5 ml; **KLLT** – TEGO connector; **BL** – Blocking switch; **V** – One way valve cap; **E** – ECG flex; **KLLI** – Injection cap;  
**IZK** – Catheter introducer; **IY** – V needle; **N** – Nitinol guide wire; **H** – Hydrophilic coating.  
 E.g.: ZKDNIV8.5F20YKLLT

| **On request** (please contact us for more information)

ZKDNDIV7F (length from 15 to 30 cm)  
 ZKDNDIV8F (length from 15 to 30 cm)  
 ZKDNDIV8.5F (length from 15 to 30 cm)

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