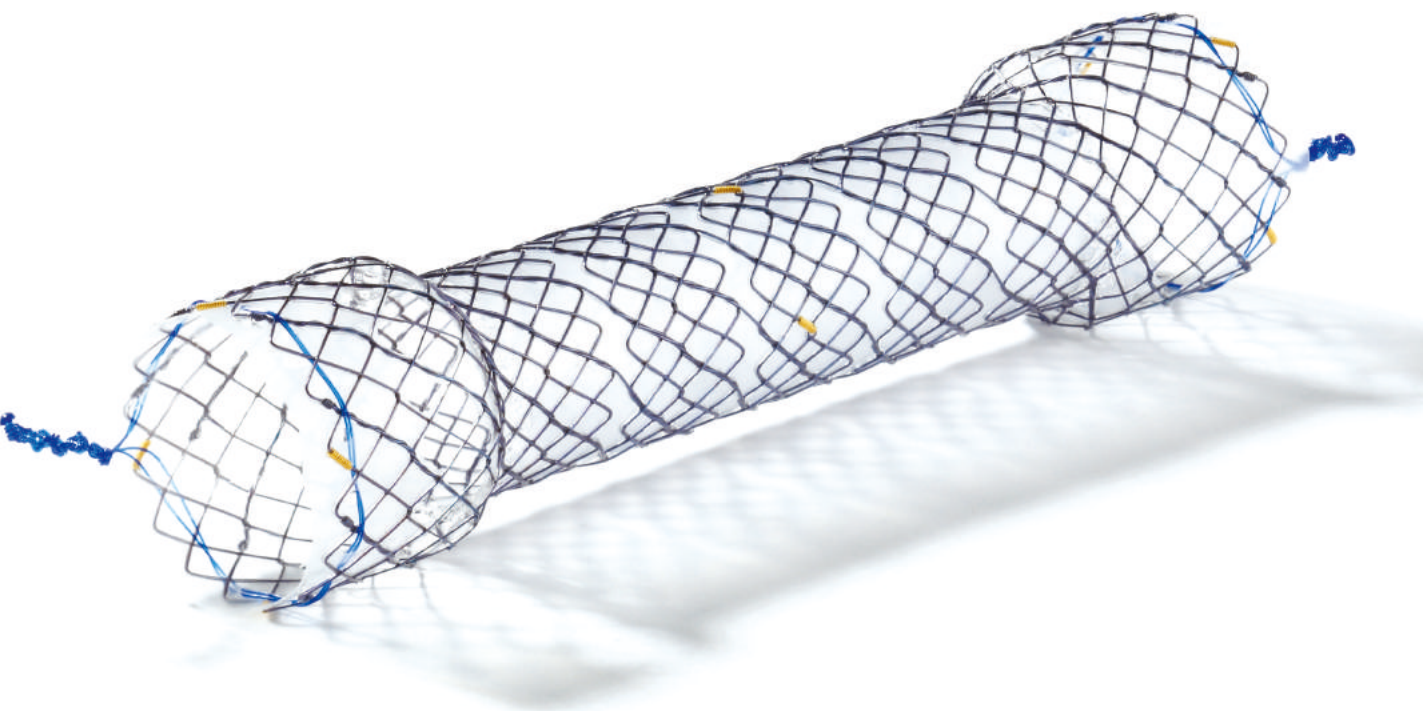


HANAR  STENT®

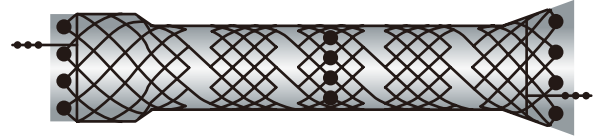


ESOPHAGUS



Rev.1.8
2018.07.03

CHOOSTENT®
Esophagus Upper (CCC)



Indication :

- Palliative treatment of esophageal stricture and/or trachea-esophageal fistula caused by malignant tumors

Features :

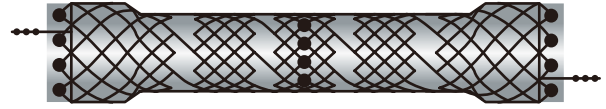
- Flare head on the proximal to be positioned near to Upper Esophageal Sphincter
- Fully covered and lassos on the both ends
- Segmented body structure to conform to peristaltic movement

	Stent(mm)			Delivery device	
	Diameter	Usable length	Total length*	Length(mm)	Diameter(mm/fr)
NESC-18-060-070	24-18-24	32	60	700	6/18
NESC-18-170-070		142	170	700	6/18

*Increment of 10mm

	(NNN) Non covered	<u>XXX-00-000-000</u>	<u>XXX 00 000-X000</u>
	(CCC) Fully covered	① ② ③ ④	① ② ③ ④
(NCN) Partially covered	① Product Name	③ Stent Length	
	② Stent Diameter	④ Delivery Device Length	

CHOOSTENT® Esophagus (CCC)



Indication :


- Palliative treatment of esophageal stricture and/or trachea-esophageal fistula caused by malignant tumors

Features :

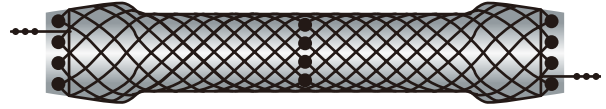
- Dumbbell heads on the both ends for Anti-Migration
- To be positioned in the middle part of Esophagus
- Fully covered and lassos on the both ends
- Segmented body structure to conform to peristaltic movement

	Stent(mm)			Delivery device	
	Diameter	Usable length	Total length*	Length(mm)	Diameter(mm/fr)
NES-18-060-070	24-18-24	20	60	700	6/18
NES-18-170-070		130	170	700	6/18
NES-20-060-070	26-20-26	20	60	700	6/18
NES-20-170-070		130	170	700	6/18
NES-22-060-070	28-22-28	20	60	700	8/24
NES-22-170-070		130	170	700	8/24

*Increment of 10mm

Distal		Proximal	(NNN) Non covered	<u>XXX-00-000-000</u>	<u>XXX 00 000-X000</u>
			(CCC) Fully covered	① ② ③ ④	① ② ③ ④
			(NCN) Partially covered	① Product Name	③ Stent Length
				② Stent Diameter	④ Delivery Device Length

HANAROSTENT®
Esophagus BS (CCC)



Indication :


- Palliative treatment of esophageal stricture and/or trachea-esophageal fistula caused by malignant tumors

Features :

- Bone shaped head on the proximal to minimize tissue overgrowth
- To be positioned in the middle part of Esophagus
- Fully covered and lassos on the both ends

	Stent(mm)			Delivery device	
	Diameter	Usable length	Total length*	Length(mm)	Diameter(mm/fr)
NES-28-060-070	34-28-34	20	60	700	8/24
NES-28-150-070		110	150	700	8/24

*Increment of 10mm

Distal  Proximal	(NNN) Non covered	<u>XXX-00-000-000</u>	<u>XXX 00 000-X000</u>
	(CCC) Fully covered	(NCN) Partially covered	① Product Name ③ Stent Length ② Stent Diameter ④ Delivery Device Length

HANAROSTENT®
Esophagus (NCN)



Indication :


- Palliative treatment of esophageal stricture and/or trachea-esophageal fistula caused by malignant tumors

Features :

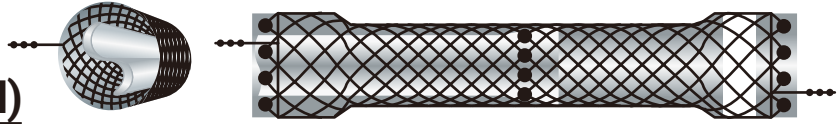
- Dumbbell heads on the both ends for Anti-Migration
- Uncovered on the both ends for Anti-Migration
- To be positioned in the middle part of Esophagus

	Stent(mm)			Delivery device	
	Diameter	Usable length	Total length*	Length(mm)	Diameter(mm/fr)
EPB18060-X070	24-18-24	20	60	700	6/18
EPB18170-X070		130	170	700	6/18
EPB22060-Z070	28-22-28	20	60	700	8/24
EPB22170-Z070		130	170	700	8/24

*Increment of 10mm

Distal  Proximal	(NNN) Non covered	<u>XXX-00-000-000</u>	<u>XXX 00 000-X000</u>
	(CCC) Fully covered	① ② ③ ④	① ② ③ ④
	(NCN) Partially covered	① Product Name	③ Stent Length
		② Stent Diameter	④ Delivery Device Length

HANAROSTENT®
Esophagus Valve (CCN)



Indication :




- Palliative treatment of esophageal stricture and/or trachea-esophageal fistula caused by malignant tumors

Features :

- Dumbbell heads on the both ends for Anti-Migration
- S-Valve inside the stent for Anti-Reflux
- Uncovered on the proximal head for Anti-Migration
- To be positioned in the Lower Esophageal Sphincter

	Stent(mm)			Delivery device	
	Diameter	Usable length	Total length*	Length(mm)	Diameter(mm/fr)
EPC-18-060-070	24-18-24	20	60	700	8/24
EPC-18-170-070		130	170	700	8/24
EPC-22-060-070	28-22-28	20	60	700	8/24
EPC-22-170-070		130	170	700	8/24

*Increment of 10mm

Distal    Proximal	(NNN) Non covered	XXX-00-000-000	XXX 00 000-X000
	(CCC) Fully covered	① ② ③ ④	① ② ③ ④
	(NCN) Partially covered	① Product Name	③ Stent Length
		② Stent Diameter	④ Delivery Device Length

HANAROSTENT®
Esophagus Benign BS (CCC)



Indication :

- Palliative treatment of esophageal stricture and/or trachea-esophageal fistula caused by malignant tumors

Features :

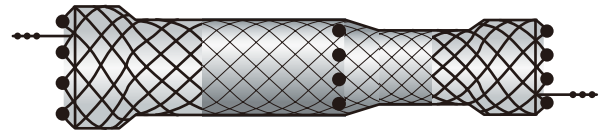
- Bone shaped head on the proximal to minimize tissue overgrowth
- To be positioned in the middle part of Esophagus
- Fully covered and lassos on the both ends
- Membrane outer covering for Easy Removal

	Stent(mm)			Delivery device	
	Diameter	Usable length	Total length*	Length(mm)	Diameter(mm/fr)
EBN18060-Z070	24-18-24	20	60	700	8/24
EBN18120-Z070		80	120	700	8/24
EBN20060-Z070	26-20-26	20	60	700	8/24
EBN20120-Z070		80	120	700	8/24
EBN22060-Z070	28-22-28	20	60	700	8/24
EBN22120-Z070		80	120	700	8/24

*Increment of 20mm

	(NNN) Non covered	XXX-00-000-000	XXX 00 000-X000
	(CCC) Fully covered		
(NCN) Partially covered			
		① ② ③ ④	① ② ③ ④
		① Product Name	③ Stent Length
		② Stent Diameter	④ Delivery Device Length

HANAROSTENT®
Esophagus Bariatric
Surgery (CCC)



Indication :

- Palliative treatment of esophageal stricture and/or trachea-esophageal fistula caused by malignant tumors

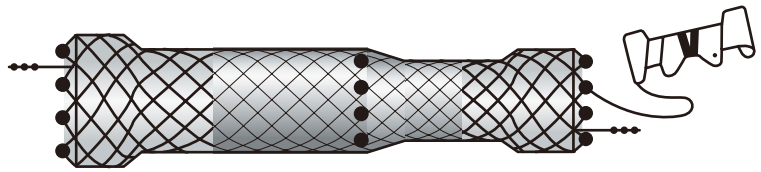
Features :

- To be positioned in the lower part of Esophagus and the sleeve
- Flexible zone in the middle part of stent for high conformity to Sleeve Anatomy
- Fully covered and lassos on the both ends

	Stent(mm)			Delivery device	
	Diameter	Usable length	Total length*	Length(mm)	Diameter(mm/fr)
ECBB-28-180-090	32-28-28	145	180	900	8/24
ECBB-28-210-090		175	210	900	8/24
ECBB-28-240-090		205	240	900	8/24

	(NNN) Non covered	<u>XXX-00-000-000</u>	<u>XXX 00 000-X000</u>
	(CCC) Fully covered	① ② ③ ④	① ② ③ ④
	(NCN) Partially covered	① Product Name	③ Stent Length
		② Stent Diameter	④ Delivery Device Length

HANAROSTENT®
Esophagus Bariatric
Surgery ST (CCC)



Indication :

- Palliative treatment of esophageal stricture and/or trachea-esophageal fistula caused by malignant tumors

Features :

- Shim’s Technique on the proximal end for Anti-Migration
- To be positioned in the lower part of Esophagus and the sleeve
- Flexible zone in the middle part of stent for high conformity to Sleeve Anatomy
- Fully covered and lassos on the both ends

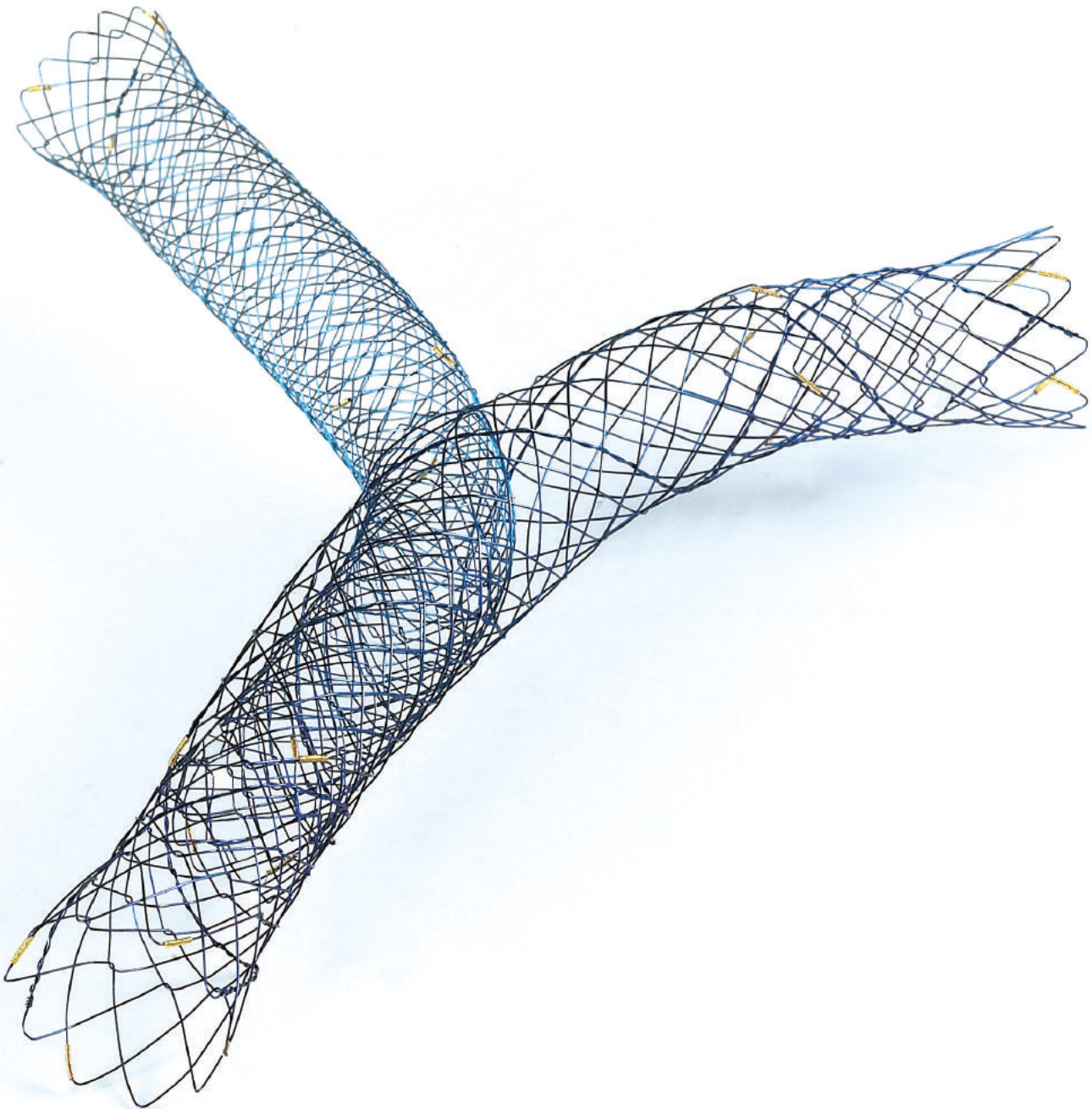
	Stent(mm)			Delivery device	
	Diameter	Usable length	Total length*	Length(mm)	Diameter(mm/fr)
ECBBT-28-180-090	32-28-28	145	180	900	8/24
ECBBT-28-210-090		175	210	900	8/24
ECBBT-28-240-090		205	240	900	8/24

	(NNN) Non covered	XXX-00-000-000	XXX 00 000-X000
	(CCC) Fully covered	(NCN) Partially covered	① ② ③ ④
			① Product Name ③ Stent Length
			② Stent Diameter ④ Delivery Device Length

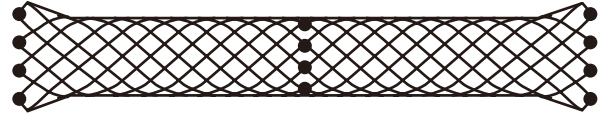
HANAR  STENT®



BILIARY



HANAROSTENT®
Biliary (NNN)



Indication :

- Palliative treatment of bile duct stricture caused by malignant tumors


Features :

- Flare on the both ends for Anti-Migration
- Uncovered stent
- Radiopaque markers for fluoroscopic guidance

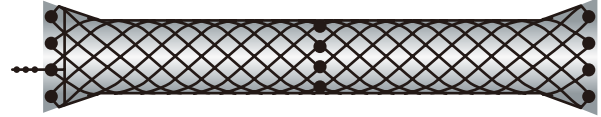
Endoscopic Application

	Stent(mm)			Delivery device	
	Diameter	Usable length	Total length*	Length(mm)	Diameter(mm/fr)
SHS-08-040-180	11.5-8-11.5	26	40	1800	2.33/7
SHS-08-120-180		106	120	1800	2.33/7
SHS-10-040-180	13.5-10-13.5	26	40	1800	2.33/7
SHS-10-120-180		106	120	1800	2.33/7

*Increment of 10mm

Distal  Proximal	(NNN) Non covered	<u>XXX-00-000-000</u>	<u>XXX 00 000-X000</u>
	(CCC) Fully covered	① ② ③ ④	① ② ③ ④
	(NCN) Partially covered	① Product Name	③ Stent Length
		② Stent Diameter	④ Delivery Device Length

HANAROSTENT®
Biliary lasso (CCC)



Indication :

- Palliative treatment of bile duct malignant and/or benign strictures

Features :

- Flare on the both ends for Anti-Migration
- Fully covered stent for Endoscopic Application
- Radiopaque markers for fluoroscopic guidance
- Lasso on the proximal for stent removal

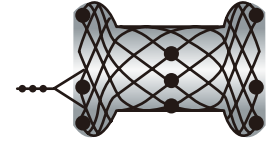
Endoscopic Application

	Stent(mm)			Delivery device	
	Diameter	Usable length	Total length*	Length(mm)	Diameter(mm/fr)
SHCL-06-040-180	8.3-6-8.3	30	40	1800	2.83/8.5
SHCL-06-120-180		110	120	1800	2.83/8.5
SHCL-08-040-180	11.5-8-11.5	26	40	1800	2.83/8.5
SHCL-08-120-180		106	120	1800	2.83/8.5
SHCL-10-040-180	13.5-10-13.5	26	40	1800	2.83/8.5
SHCL-10-120-180		106	120	1800	2.83/8.5

*Increment of 10mm

	(NNN) Non covered	XXX-00-000-000	XXX 00 000-X000
	(CCC) Fully covered		
(NCN) Partially covered			
		① ② ③ ④	① ② ③ ④
		① Product Name	③ Stent Length
		② Stent Diameter	④ Delivery Device Length

HANAROSTENT®
Plumber™ Biliary (CCC)



Indication :

- Palliative treatment of bile duct malignant and/or benign strictures

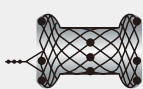
Features :

- Large wheels for lumen-apposing between pancreas and gastric wall
- Fully covered stent for prevent leakage
- Optimal radial force of stent body
- Radiopaque markers for fluoroscopic guidance

Endoscopic Application

	Stent(mm)			Delivery device	
	Diameter	Usable length	Total length*	Length(mm)	Diameter(mm/fr)
BCF-10-020-180	22-10-22	13	20	1800	3.47/10.5
BCF-10-040-180		33	40	1800	3.47/10.5
BCF-12-020-180	24-12-24	13	20	1800	3.47/10.5
BCF-12-040-180		33	40	1800	3.47/10.5
BCF-14-020-180	26-14-26	12	20	1800	3.47/10.5
BCF-14-040-180		32	40	1800	3.47/10.5
BCF-16-020-180	28-16-28	12	20	1800	3.47/10.5
BCF-16-040-180		32	40	1800	3.47/10.5

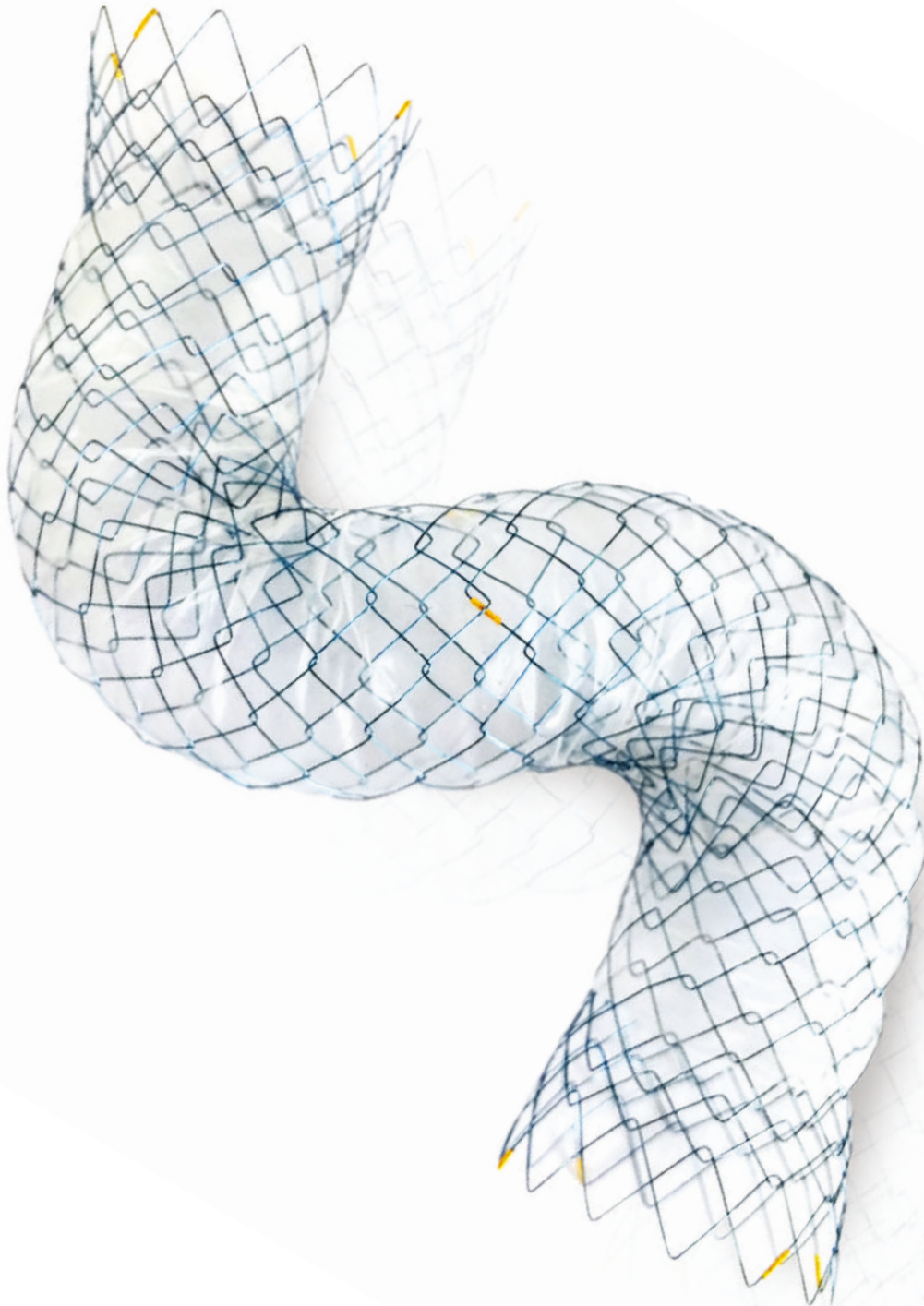
*Increment of 10mm

Distal		Proximal	(NNN) Non covered	<u>XXX-00-000-000</u>	<u>XXX 00 000-X000</u>
			(CCC) Fully covered	① ② ③ ④	① ② ③ ④
			(NCN) Partially covered	① Product Name	③ Stent Length
				② Stent Diameter	④ Delivery Device Length

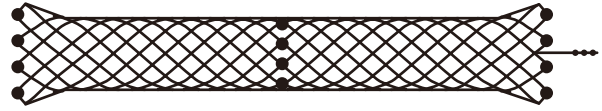
HANAR  STENT®



COLORECTAL



HANAROSTENT®
Colon/Rectum lasso (NNN)



Indication :

- Palliative treatment of colo-rectal strictures caused by malignant tumors

Features :

- Flare heads on the both ends for Anti-Migration
- Uncovered stent and a lasso on the proximal
- Double layered structure and high flexibility
- Through the Scope (TTS)

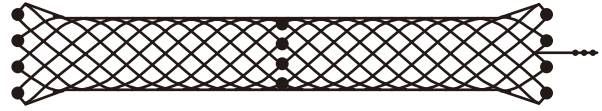
Endoscopic Application

	Stent(mm)			Delivery device	
	Diameter	Usable length	Total length*	Length(mm)	Diameter(mm/fr)
CNZ-22-060-230	28-22-28	30	60	2300	3.4/10.2
CNZ-22-170-230		140	170	2300	3.4/10.2
CNZ-24-060-230	30-24-30	30	60	2300	3.4/10.2
CNZ-24-170-230		140	170	2300	3.4/10.2

*Increment of 10mm

	(NNN) Non covered	XXX-00-000-000	XXX 00 000-X000
	(CCC) Fully covered	① ② ③ ④	① ② ③ ④
	(NCN) Partially covered	① Product Name	③ Stent Length
		② Stent Diameter	④ Delivery Device Length

HANAROSTENT®
Colon/Rectum lasso (NNN)



Indication :

- Palliative treatment of colo-rectal strictures caused by malignant tumors

Features :

- Flare heads on the both ends for Anti-Migration
- Uncovered stent and a lasso on the proximal
- Double layered structure and high flexibility
- Through the Scope (TTS)

Percutaneous Application

	Stent(mm)			Delivery device	
	Diameter	Usable length	Total length*	Length(mm)	Diameter(mm/fr)
CNZ-22-060-140	28-22-28	30	60	1400	3.4/10.2
CNZ-22-170-140		140	170	1400	3.4/10.2
CNZ-24-060-140	30-24-30	30	60	1400	3.4/10.2
CNZ-24-170-140		140	170	1400	3.4/10.2
CNZ-26-060-140	32-26-32	30	60	1400	4/12
CNZ-26-150-140		120	150	1400	4/12

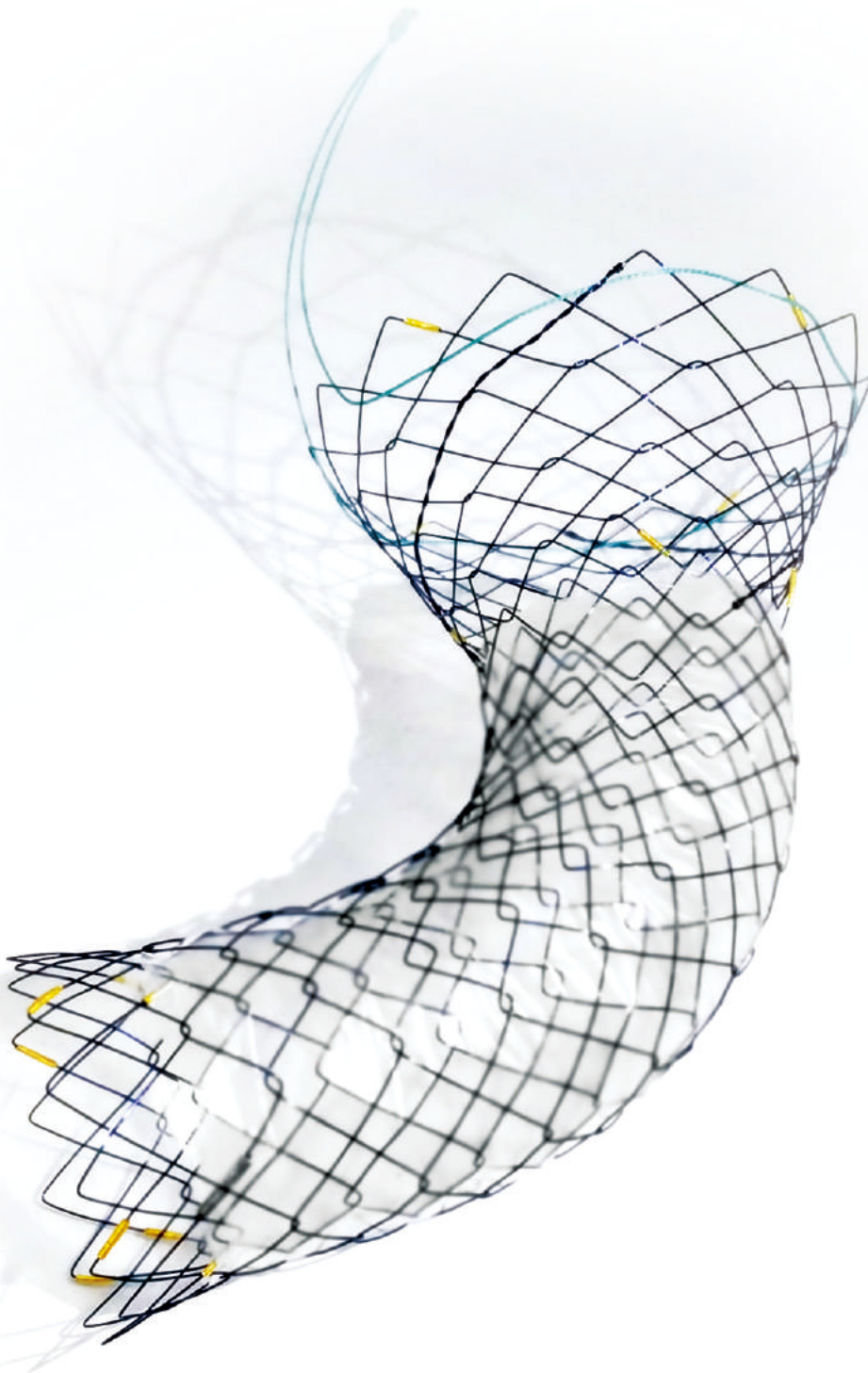
*Increment of 10mm

	(NNN) Non covered	XXX-00-000-000	XXX 00 000-X000
	(CCC) Fully covered	① ② ③ ④	① ② ③ ④
	(NCN) Partially covered	① Product Name	③ Stent Length
		② Stent Diameter	④ Delivery Device Length

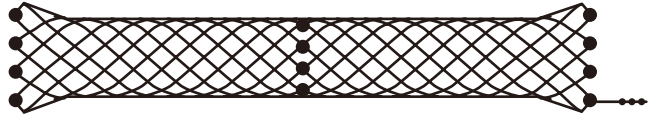
HANAR  STENT®



DUODENAL



HANAROSTENT®
Duodenum/Pylorus
Lasso (NNN)



Indication :

- Palliative treatment of pyloric or duodenal stricture caused by malignant tumors

Features :

- Flare heads on the both ends for Anti-Migration
- Uncovered stent and lasso on the proximal end

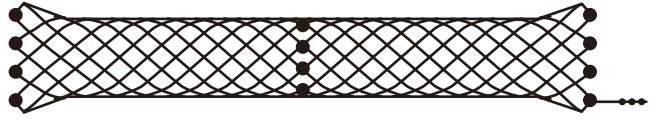
Endoscopic Application

	Stent(mm)			Delivery device	
	Diameter	Usable length	Total length*	Length(mm)	Diameter(mm/fr)
NDSL-18-060-230	24-18-24	30	60	2300	3.4/10.2
NDSL-18-170-230		140	170	2300	3.4/10.2
NDSL-20-060-230	26-20-26	30	60	2300	3.4/10.2
NDSL-20-170-230		140	170	2300	3.4/10.2

*Increment of 10mm

	(NNN) Non covered	<u>XXX-00-000-000</u>	<u>XXX 00 000-X000</u>
	(CCC) Fully covered	① ② ③ ④	① ② ③ ④
(NCN) Partially covered	① Product Name	③ Stent Length	
	② Stent Diameter	④ Delivery Device Length	

HANAROSTENT®
Duodenum/Pylorus
Lasso (NNN)



Indication :

- Palliative treatment of pyloric or duodenal stricture caused by malignant tumors

Features :

- Flare heads on the both ends for Anti-Migration
- Uncovered stent and lasso on the proximal end

Percutaneous Application

	Stent(mm)			Delivery device	
	Diameter	Usable length	Total length*	Length(mm)	Diameter(mm/fr)
NDSL-18-060-120	24-18-24	30	60	1200	3.4/10.2
NDSL-18-170-120		140	170	1200	3.4/10.2
NDSL-20-060-120	26-20-26	30	60	1200	3.4/10.2
NDSL-20-170-120		140	170	1200	3.4/10.2

*Increment of 10mm

	(NNN) Non covered	XXX-00-000-000	XXX 00 000-X000
	(CCC) Fully covered	① ② ③ ④	① ② ③ ④
	(NCN) Partially covered	① Product Name	③ Stent Length
		② Stent Diameter	④ Delivery Device Length