



From Indigenous Ideas to Newtech Solutions

AuricleTM



Sirolimus Eluting Coronary Stent System

www.ntmdevices.com

AuricleTM

Sirolimus Eluting Coronary Stent System

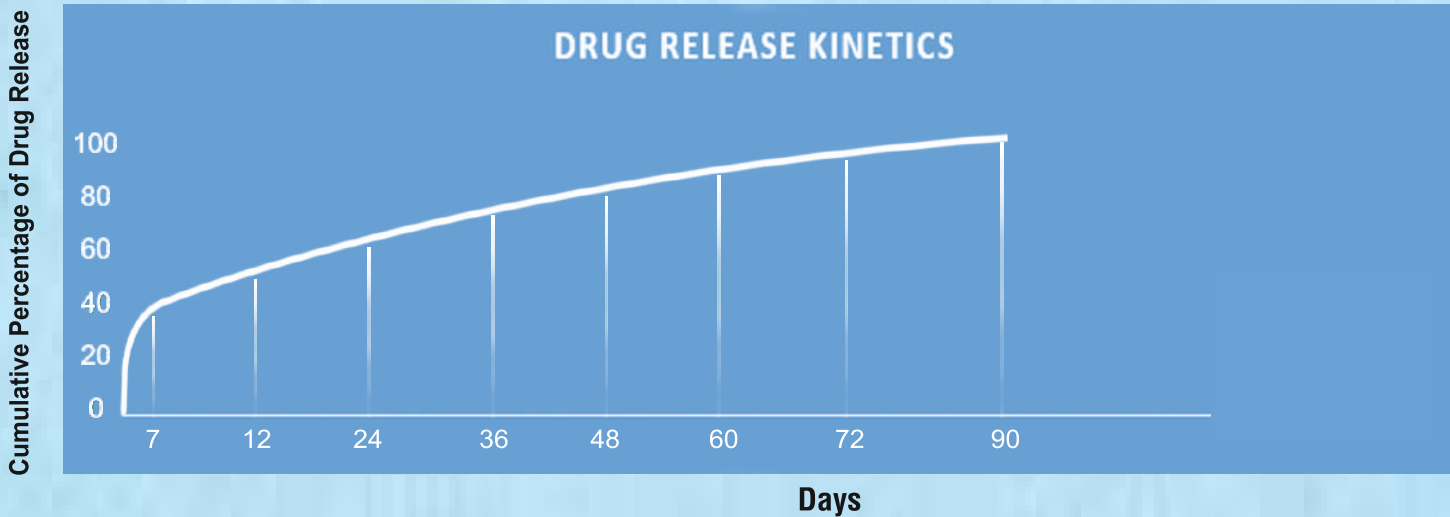
Device Component Description:

Stent Material	Medical Grade Cobalt Chromium (L605), laser cut seamless tubing with biodegradable polymer and Sirolimus mixture.
Delivery System Usable Length	140cm
Delivery System Adaptor Ports	Single access port to the inflation/deflation lumen. A guidewire exit port is located at 25cm from the tip. Designed for guidewire 0.014" (0.36mm).
Stent Delivery Balloon	Nylon balloon, nominally N.M.T. 0.5mm over hang to stent length and location is defined by radio opaque GOLD 18K/Pt-Ir marker at proximal and distal end of stent.
Balloon Inflation Pressure	Nominal inflation pressure : 8atm - Vessel 2.00-3.00, Length 8-30mm 9atm - Vessel 2.25-3.00, Length 34-54mm 9atm - Vessel 3.50-4.50, Length 8-54mm Rated burst pressure: 16 atm.
Guiding Catheter Inner Diameter	≥5 Fr(1.4mm) Compatible
Guide Wire	0.014 inch
Strut Thickness (um)	55 ± 5 micron
Polymer Bio-Degradation	100% 12-13 Weeks
Pushability and Trackability	Excellent
Stent Recoil	<6%
Foreshortening	<2%
Stent architecture	Hybrid Cell Design with Non-Linear links



Proven Drug Release Kinetics

Auricle has proven drug release kinetics Initial Release of 30% to 40% Sirolimus in the first week followed by sustained release upto 90 days to maintain therapeutic sirolimus drug concentration to optimize the anti tissue proliferative action.



AuricleTM

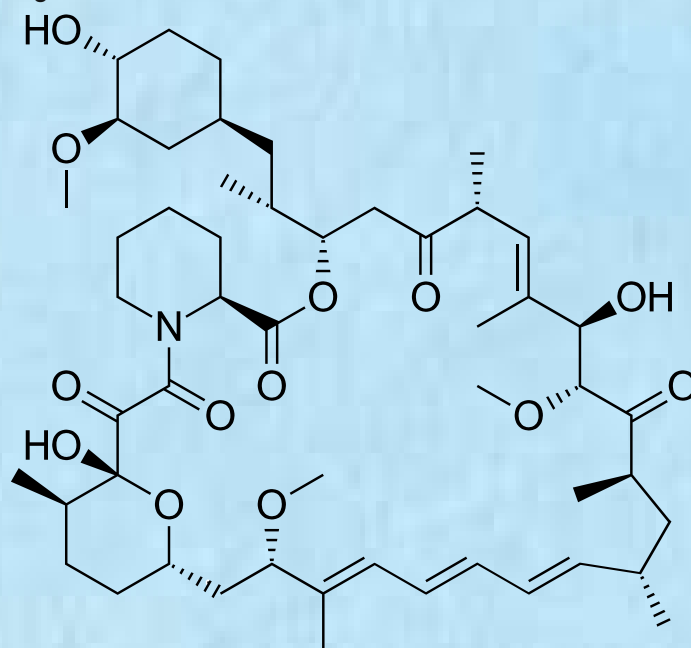
Sirolimus Eluting Coronary Stent System

Auricle-Sirolimus Eluting Coronay System:

The Auricle Sirolimus eluting stent system is a combination product comprised of two regulated components : a device (a coronary stent system) and a drug product (a formulation of Sirolimus contained in a polymer coating) pre mounted on balloon catheter between two GOLD 18K/ Pt - Ir radio opaque marker bands.

Drug Component Description:

Auricle Sirolimus stent is coating consists of a blend of sirolimus drug (the active ingredient) and biodegradable polymers (the inactive ingredient). Sirolimus is a Macrocyclic lactone produced by streptomyces hygroscopicus. The chemical name of sirolimus (also known as rapamycin) is (1R,9S,12S,15R,16E,18R,21R,23S,24E,26E,28E,30S,32S,35R)-1,18-dihydroxy-12-[(2R)-1-[(1S,3R,4R)-4-hydroxy-3-methoxycyclohexyl]propan-2-yl], 30-dimethoxy-15,17,21,23,29,35-hexamethyl-11,36-dioxo-4-azatricyclohexatriaconta-16,24,26,28-tetraene-2,3,10,14,20-pentone Its molecular formula is C₅₁H₇₉NO₁₃ and its molecular weight is 914.2.



Stent Diameter (measured at 37.5° C tolerance $\pm$ 0.10 mm)

Pressure Bar	2.00mm	2.25mm	2.50mm	2.75mm	3.00mm	3.50mm	4.00mm	4.50mm
4	1.9mm	2.00 mm	2.30 mm	2.54 mm	2.75 mm	3.30 mm	3.80 mm	4.25 mm
6	2.00mm	2.10 mm	2.35 mm	2.60 mm	2.80 mm	3.39 mm	3.85 mm	4.30 mm
7	2.10mm	2.15 mm	2.40 mm	2.65 mm	2.90 mm	3.42 mm	3.89 mm	4.40 mm
8*	2.15 mm	2.23 mm	2.49 mm	2.75 mm	2.99 mm	3.45 mm	3.92 mm	4.42 mm
9**	2.23mm	2.25 mm	2.51 mm	2.78 mm	3.02 mm	3.48 mm	3.96 mm	4.45 mm
10	2.26mm	2.28 mm	2.54 mm	2.80 mm	3.04 mm	3.56 mm	4.10 mm	4.55 mm
11	2.28mm	2.30 mm	2.59 mm	2.86 mm	3.10 mm	3.62 mm	4.12 mm	4.58 mm
12	2.30mm	2.32 mm	2.62 mm	2.89 mm	3.14 mm	3.66 mm	4.16 mm	4.60 mm
13	2.32mm	2.35 mm	2.65 mm	2.92 mm	3.18 mm	3.70 mm	4.20 mm	4.65 mm
14	2.35mm	2.39 mm	2.67 mm	2.95 mm	3.20 mm	3.74 mm	4.24 mm	4.68 mm
15	2.39mm	2.41 mm	2.70 mm	2.98 mm	3.22 mm	3.78 mm	4.27 mm	4.72 mm
16***	2.41mm	2.43 mm	2.72 mm	3.01 mm	3.26 mm	3.80 mm	4.30 mm	4.75 mm
17	2.43mm	2.45 mm	2.75 mm	3.04 mm	3.30 mm	3.82 mm	4.32 mm	4.78 mm
18	2.45mm	2.47 mm	2.79 mm	3.08 mm	3.35 mm	3.86 mm	4.36 mm	4.81 mm
20	2.47mm	2.48 mm	2.81 mm	3.12 mm	3.40 mm	3.89 mm	4.40 mm	4.85 mm

*Nominal Pressure ; *8atm - Vessel 2.00-3.00, length 8 - 30 mm

**9atm - vessel 2.25 - 3.00, length 34 - 54 mm

**9atm - Vessel 3.50 - 4.50, length 8 - 54 mm

*** Rated Burst Pressure.

AuricleTM

Sirolimus Eluting Coronary Stent System

Ordering Information

NT/AS/22508

Length of Stent

Diameter of stent is 2.25 mm

AS is Auricle Stent

NT is Newtech Medical Device

Stent Diameter	2.00 mm	2.25 mm	2.50 mm	2.75 mm	3.00 mm	3.50 mm	4.00 mm	4.50 mm
Length								
08 mm	NT/AS/20008	NT/AS/22508	NT/AS/25008	NT/AS/27508	NT/AS/30008	NT/AS/35008	NT/AS/40008	
12 mm	NT/AS/20012	NT/AS/22512	NT/AS/25012	NT/AS/27512	NT/AS/30012	NT/AS/35012	NT/AS/40012	
14 mm	NT/AS/20014	NT/AS/22514	NT/AS/25014	NT/AS/27514	NT/AS/30014	NT/AS/35014	NT/AS/40014	NT/AS/45014
16 mm	NT/AS/20016	NT/AS/22516	NT/AS/25016	NT/AS/27516	NT/AS/30016	NT/AS/35016	NT/AS/40016	NT/AS/45016
18 mm	NT/AS/20018	NT/AS/22518	NT/AS/25018	NT/AS/27518	NT/AS/30018	NT/AS/35018	NT/AS/40018	NT/AS/45018
20 mm	NT/AS/20020	NT/AS/22520	NT/AS/25020	NT/AS/27520	NT/AS/30020	NT/AS/35020	NT/AS/40020	NT/AS/45020
22 mm	NT/AS/20022	NT/AS/22522	NT/AS/25022	NT/AS/27522	NT/AS/30022	NT/AS/35022	NT/AS/40022	NT/AS/45022
24 mm	NT/AS/20024	NT/AS/22524	NT/AS/25024	NT/AS/27524	NT/AS/30024	NT/AS/35024	NT/AS/40024	NT/AS/45024
26 mm	NT/AS/20026	NT/AS/22526	NT/AS/25026	NT/AS/27526	NT/AS/30026	NT/AS/35026	NT/AS/40026	NT/AS/45026
28 mm	NT/AS/20028	NT/AS/22528	NT/AS/25028	NT/AS/27528	NT/AS/30028	NT/AS/35028	NT/AS/40028	NT/AS/45028
30 mm	NT/AS/20030	NT/AS/22530	NT/AS/25030	NT/AS/27530	NT/AS/30030	NT/AS/35030	NT/AS/40030	NT/AS/45030
32 mm		NT/AS/22532	NT/AS/25032	NT/AS/27532	NT/AS/30032	NT/AS/35032	NT/AS/40032	NT/AS/45032
34 mm		NT/AS/22534	NT/AS/25034	NT/AS/27534	NT/AS/30034	NT/AS/35034	NT/AS/40034	NT/AS/45034
36 mm		NT/AS/22536	NT/AS/25036	NT/AS/27536	NT/AS/30036	NT/AS/35036	NT/AS/40036	NT/AS/45036
38 mm		NT/AS/22538	NT/AS/25038	NT/AS/27538	NT/AS/30038	NT/AS/35038	NT/AS/40038	NT/AS/45038
40 mm			NT/AS/25040	NT/AS/27540	NT/AS/30040	NT/AS/35040	NT/AS/40040	NT/AS/45040
42 mm			NT/AS/25042	NT/AS/27542	NT/AS/30042	NT/AS/35042	NT/AS/40042	NT/AS/45042
46 mm			NT/AS/25046	NT/AS/27546	NT/AS/30046	NT/AS/35046	NT/AS/40046	NT/AS/45046
48 mm				NT/AS/27548	NT/AS/30048	NT/AS/35048	NT/AS/40048	NT/AS/45048
50 mm				NT/AS/27550	NT/AS/30050	NT/AS/35050	NT/AS/40050	NT/AS/45050
54 mm				NT/AS/27554	NT/AS/30054	NT/AS/35054	NT/AS/40054	NT/AS/45054

****Specifications and dimensions will be customized according to customer needs.**



For all Newtech Medical Devices Products

Kindly scan



Manufacturer :

Newtech Medical Devices Pvt. Ltd.

14/5, Mathura Road, Faridabad,

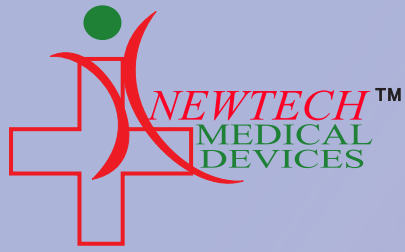
Haryana- 121003 (INDIA).

stent@ntmdevices.com

Mfg Lic. No. MFG/MD/2023/000475

Doc. No. : NTM/CT/QA/S/005 Rev. No. 01

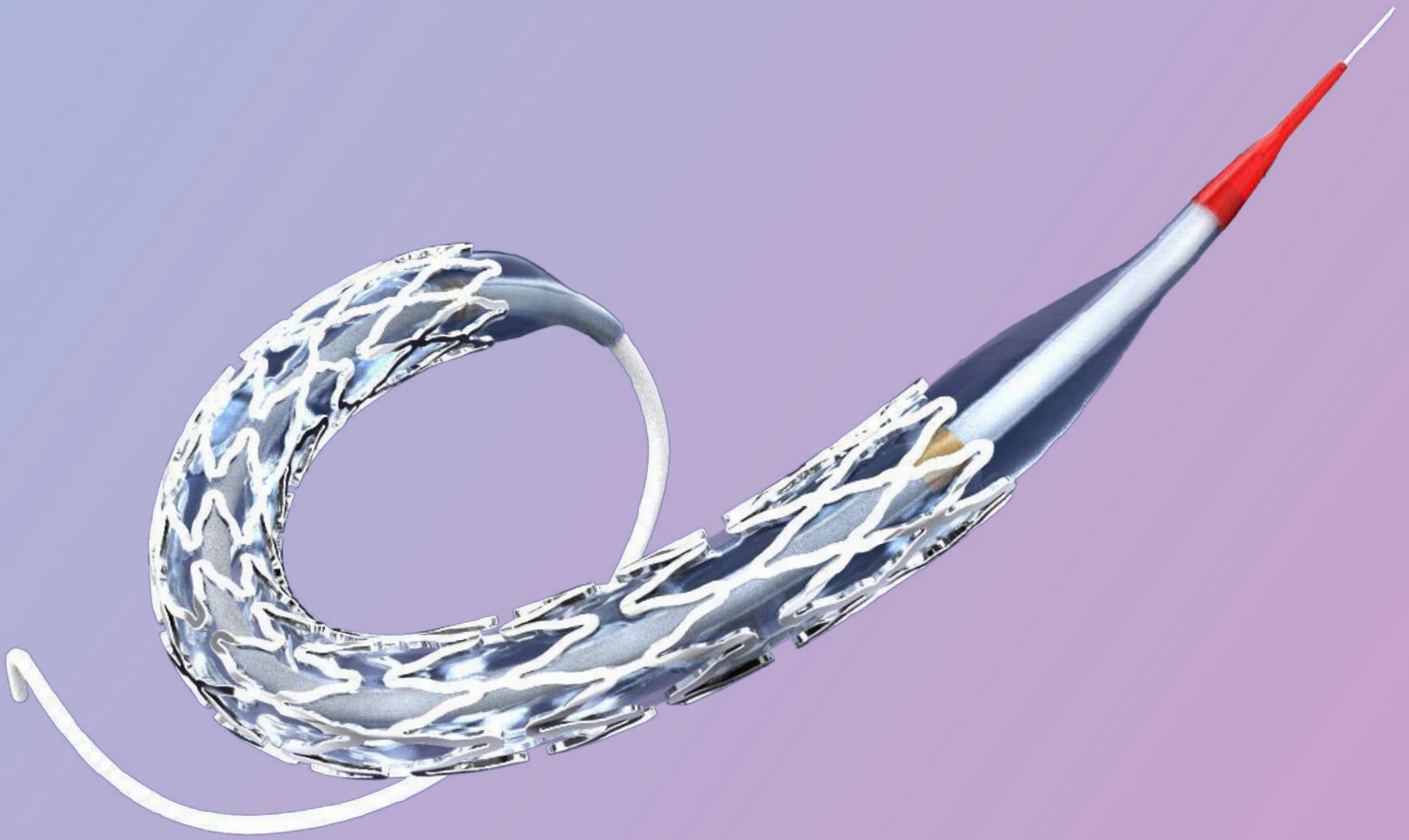
www.ntmdevices.com



From Indigenous Idea to Newtech Solution

CoherentTM

With Biodegradable Polymer



Sirolimus Eluting Coronary Stent System

www.ntmdevices.com

CoherentTM

Sirolimus Eluting Coronary Stent System

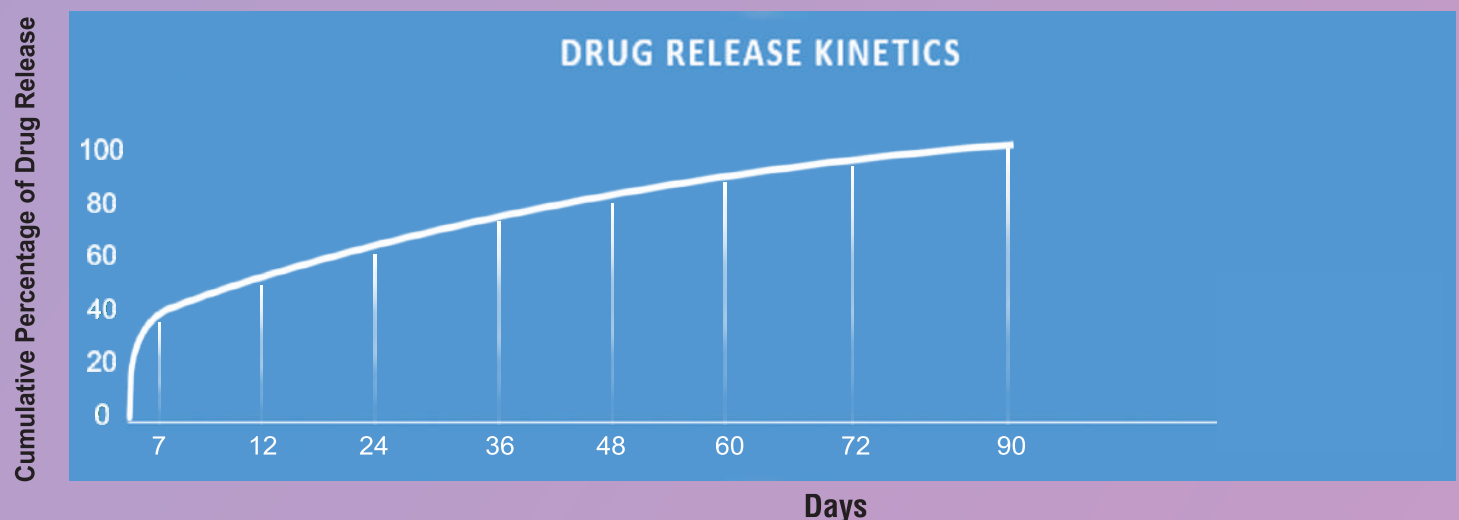
Device Component Description:

Stent Material	Medical Grade Cobalt Chromium (L605), laser cut seamless tubing with biodegradable polymer and Sirolimus mixture.
Delivery System Usable Length	140cm
Delivery System Adaptor Ports	Single access port to the inflation/deflation lumen. A guidewire exit port is located at 25cm from the tip. Designed for guidewire 0.014" (0.36mm).
Stent Delivery Balloon	Nylon balloon, nominally NMT 0.5mm over hang to stent length and location is defined by radio opaque GOLD 18K/Pt-Ir marker at proximal and distal end of stent.
Balloon Inflation Pressure	Nominal inflation pressure : 8atm - Vessel 2.00-3.00, Length 8-30mm 9atm - Vessel 2.25-3.00, Length 34-54mm 9atm - Vessel 3.50-4.50, Length 8-54mm Rated burst pressure: 16 atm.
Guiding Catheter Inner Diameter	≥5 Fr(1.4mm) Compatible
Guide Wire	0.014 inch
Strut Thickness (um)	75
Polymer Bio-Degradation	100% in 90 Days.
Pushability and Trackability	Excellent
Stent Recoil	<6%
Foreshortening	<2%
Stent architecture	Hybrid Cell Design with Non-Linear links



Proven Drug Release Kinetics

Coherent has proven drug release kinetics Initial Release of 30% to 40% Sirolimus in the first week followed by sustained release upto 90 days to maintain therapeutic sirolimus drug concentration to optimize the anti tissue proliferative action.



Sirolimus Eluting Coronary Stent System

The Coherent Sirolimus eluting stent system is a combination product comprised of two regulated components : a device (a coronary stent system) and a drug product (a formulation of Sirolimus contained in a polymer coating) pre mounted on balloon catheter between two GOLD 18K/ Pt - Ir radio opaque marker bands.

Stent Diameter (measured at 37.5 ° C tolerance $\pm$ 0.10 mm)

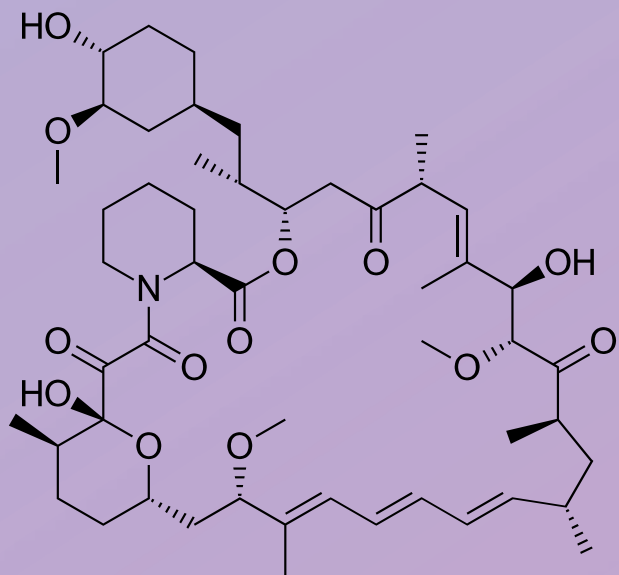
Pressure Bar	2.00mm	2.25mm	2.50mm	2.75mm	3.00mm	3.50mm	4.00mm	4.50mm
6	1.85mm	2.10 mm	2.35 mm	2.60 mm	2.80 mm	3.39 mm	3.85 mm	4.30 mm
7	1.90mm	2.15 mm	2.40 mm	2.65 mm	2.90 mm	3.42 mm	3.89 mm	4.40 mm
8*	1.95mm	2.23 mm	2.49 mm	2.75 mm	2.99 mm	3.45 mm	3.92 mm	4.42 mm
9**	2.00mm	2.25 mm	2.51 mm	2.78 mm	3.02 mm	3.48 mm	3.96 mm	4.45 mm
10	2.04mm	2.28 mm	2.54 mm	2.80 mm	3.04 mm	3.56 mm	4.10 mm	4.55 mm
11	2.08mm	2.30 mm	2.59 mm	2.86 mm	3.10 mm	3.62 mm	4.12 mm	4.58 mm
12	2.12mm	2.32 mm	2.62 mm	2.89 mm	3.14 mm	3.66 mm	4.16 mm	4.60 mm
13	2.15mm	2.35 mm	2.65 mm	2.92 mm	3.18 mm	3.70 mm	4.20 mm	4.65 mm
14	2.18mm	2.39 mm	2.67 mm	2.95 mm	3.20 mm	3.74 mm	4.24 mm	4.68 mm
15	2.20mm	2.41 mm	2.70 mm	2.98 mm	3.22 mm	3.78 mm	4.27 mm	4.72 mm
16***	2.22mm	2.43 mm	2.72 mm	3.01 mm	3.26 mm	3.80 mm	4.30 mm	4.75 mm
17	2.24mm	2.45 mm	2.75 mm	3.04 mm	3.30 mm	3.82 mm	4.32 mm	4.78 mm
18	2.25mm	2.47 mm	2.79 mm	3.08 mm	3.35 mm	3.86 mm	4.36 mm	4.81 mm
20	2.26mm	2.48 mm	2.81 mm	3.12 mm	3.40 mm	3.89 mm	4.40 mm	4.85 mm

*Nominal Pressure {
 *8atm - Vessel 2.00-3.00, length 8 - 30 mm
 **9atm - vessel 2.25 - 3.00, length 34 - 54 mm
 **9atm - Vessel 3.50 - 4.50, length 8 - 54 mm

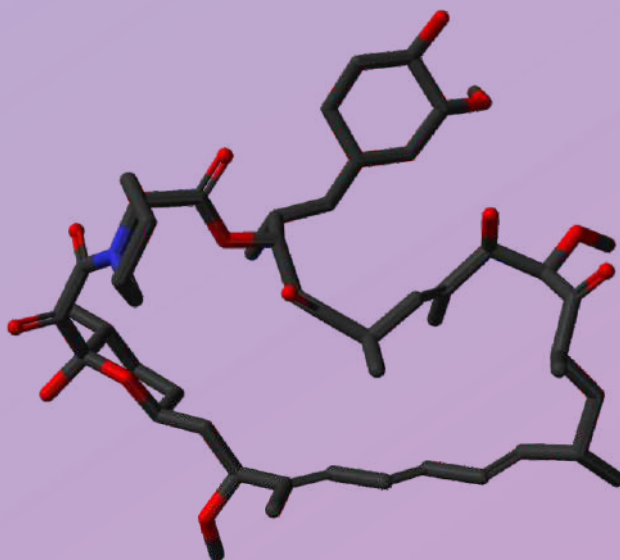
*** Rated Burst Pressure.

Drug Component Description

Coherent Sirolimus stent is coating consists of a blend of sirolimus drug (the active ingredient) and biodegradable polymers (the inactive ingredient). Sirolimus is a Macrocyclic lactone produced by streptomyces hygroscopicus. The chemical name of sirolimus (also known as rapamycin) is (1R,9S,12S,15R,16E,18R,21R,23S,24E,26E,28E,30S,32S,35R)-1,18-dihydroxy-12-[(2R)-1-[(1S,3R,4R)-4-hydroxy-3-methoxycyclohexyl]propan-2-yl], 30-dimethoxy-15,17,21,23,29,35-hexamethyl-11,36-dioxa-4-azatricyclohexatriaconta-16,24,26,28-tetraene-2,3,10,14,20-pentone Its molecular formula is C₅₁H₇₉NO₁₃ and its molecular weight is 914.2.



Structural formula of sirolimus



3D Stick model

CoherentTM

Sirolimus Eluting Coronary Stent System

Ordering Information

NT/CS/22508

Length of Stent

Diameter of stent is 2.25 mm

CS is Coherent Stent

NT is Newtech Medical Device

Stent Diameter	2.00 mm	2.25 mm	2.50 mm	2.75 mm	3.00 mm	3.50 mm	4.00 mm	4.50 mm
Length								
08 mm	NT/CS/20008	NT/CS/22508	NT/CS/25008	NT/CS/27508	NT/CS/30008	NT/CS/35008	NT/CS/40008	
12 mm	NT/CS/20012	NT/CS/22512	NT/CS/25012	NT/CS/27512	NT/CS/30012	NT/CS/35012	NT/CS/40012	
14 mm	NT/CS/20014	NT/CS/22514	NT/CS/25014	NT/CS/27514	NT/CS/30014	NT/CS/35014	NT/CS/40014	NT/CS/45014
16 mm	NT/CS/20016	NT/CS/22516	NT/CS/25016	NT/CS/27516	NT/CS/30016	NT/CS/35016	NT/CS/40016	NT/CS/45016
18 mm	NT/CS/20018	NT/CS/22518	NT/CS/25018	NT/CS/27518	NT/CS/30018	NT/CS/35018	NT/CS/40018	NT/CS/45018
20 mm	NT/CS/20020	NT/CS/22520	NT/CS/25020	NT/CS/27520	NT/CS/30020	NT/CS/35020	NT/CS/40020	NT/CS/45020
22 mm	NT/CS/20022	NT/CS/22522	NT/CS/25022	NT/CS/27522	NT/CS/30022	NT/CS/35022	NT/CS/40022	NT/CS/45022
24 mm	NT/CS/20024	NT/CS/22524	NT/CS/25024	NT/CS/27524	NT/CS/30024	NT/CS/35024	NT/CS/40024	NT/CS/45024
26 mm	NT/CS/20026	NT/CS/22526	NT/CS/25026	NT/CS/27526	NT/CS/30026	NT/CS/35026	NT/CS/40026	NT/CS/45026
28 mm	NT/CS/20028	NT/CS/22528	NT/CS/25028	NT/CS/27528	NT/CS/30028	NT/CS/35028	NT/CS/40028	NT/CS/45028
30 mm	NT/CS/20030	NT/CS/22530	NT/CS/25030	NT/CS/27530	NT/CS/30030	NT/CS/35030	NT/CS/40030	NT/CS/45030
32 mm		NT/CS/22532	NT/CS/25032	NT/CS/27532	NT/CS/30032	NT/CS/35032	NT/CS/40032	NT/CS/45032
34 mm		NT/CS/22534	NT/CS/25034	NT/CS/27534	NT/CS/30034	NT/CS/35034	NT/CS/40034	NT/CS/45034
36 mm		NT/CS/22536	NT/CS/25036	NT/CS/27536	NT/CS/30036	NT/CS/35036	NT/CS/40036	NT/CS/45036
38 mm		NT/CS/22538	NT/CS/25038	NT/CS/27538	NT/CS/30038	NT/CS/35038	NT/CS/40038	NT/CS/45038
40 mm			NT/CS/25040	NT/CS/27540	NT/CS/30040	NT/CS/35040	NT/CS/40040	NT/CS/45040
42 mm			NT/CS/25042	NT/CS/27542	NT/CS/30042	NT/CS/35042	NT/CS/40042	NT/CS/45042
46 mm			NT/CS/25046	NT/CS/27546	NT/CS/30046	NT/CS/35046	NT/CS/40046	NT/CS/45046
48 mm				NT/CS/27548	NT/CS/30048	NT/CS/35048	NT/CS/40048	NT/CS/45048
50 mm				NT/CS/27550	NT/CS/30050	NT/CS/35050	NT/CS/40050	NT/CS/45050
54 mm				NT/CS/27554	NT/CS/30054	NT/CS/35054	NT/CS/40054	NT/CS/45054

****Specifications and dimensions will be customized according to customer needs.**



For all Newtech Medical Devices Products

Kindly scan



Manufacturer :

Newtech Medical Devices Pvt. Ltd.

14/5, Mathura Road, Faridabad,

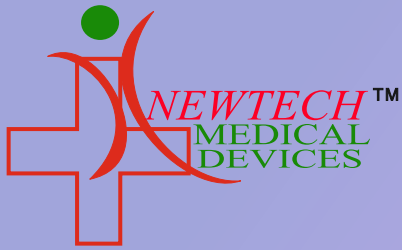
Haryana- 121003 (INDIA).

stent@ntmdevices.com

Mfg Lic. No. MFG/MD/2023/000475

Doc. No. : NTM/CT/QA/S/004 Rev. No. 02

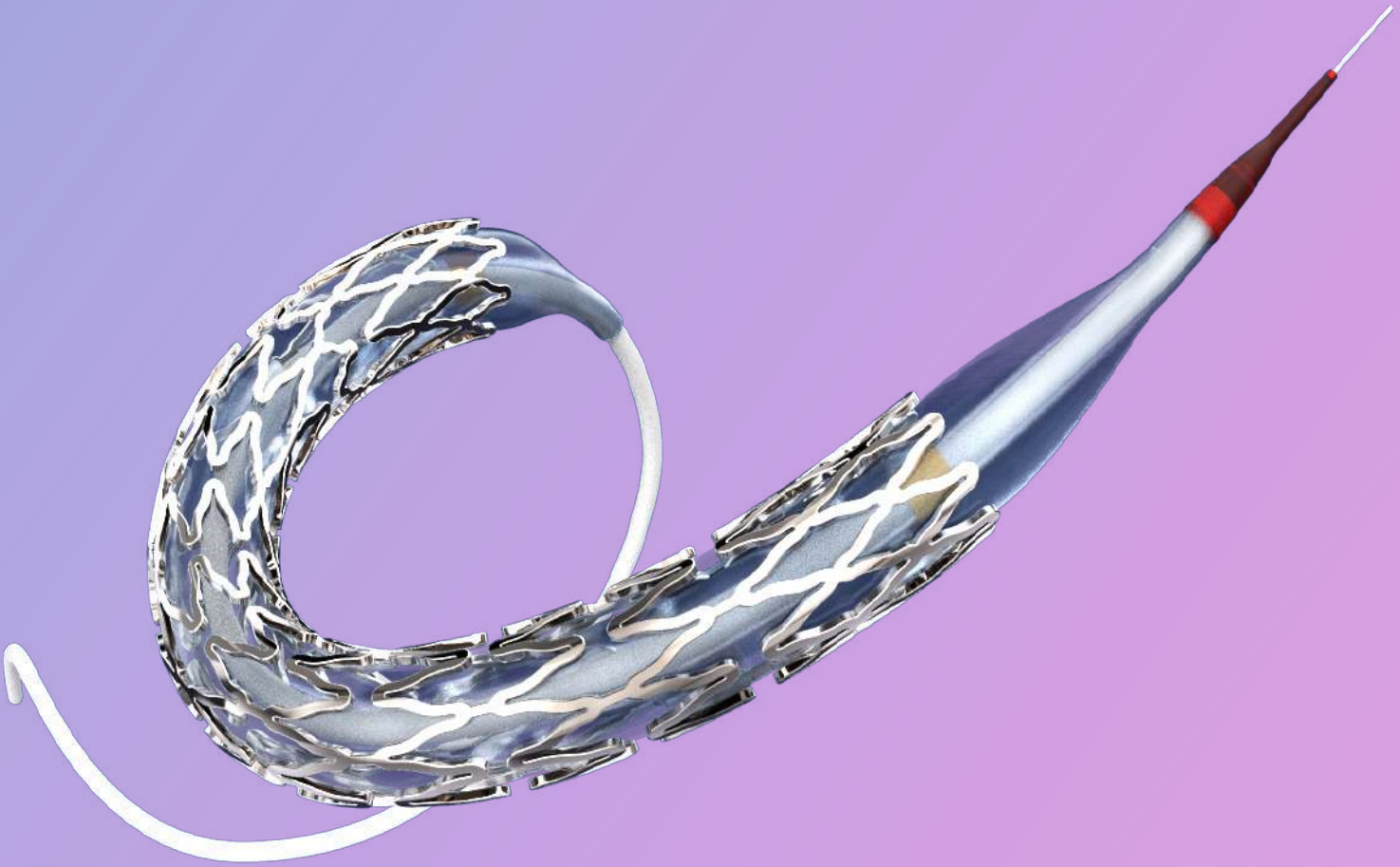
www.ntmdevices.com



From Indigenous Idea to Newtech Solution

ComicalTM

With Biodegradable Polymer



Sirolimus Eluting Coronary Stent System

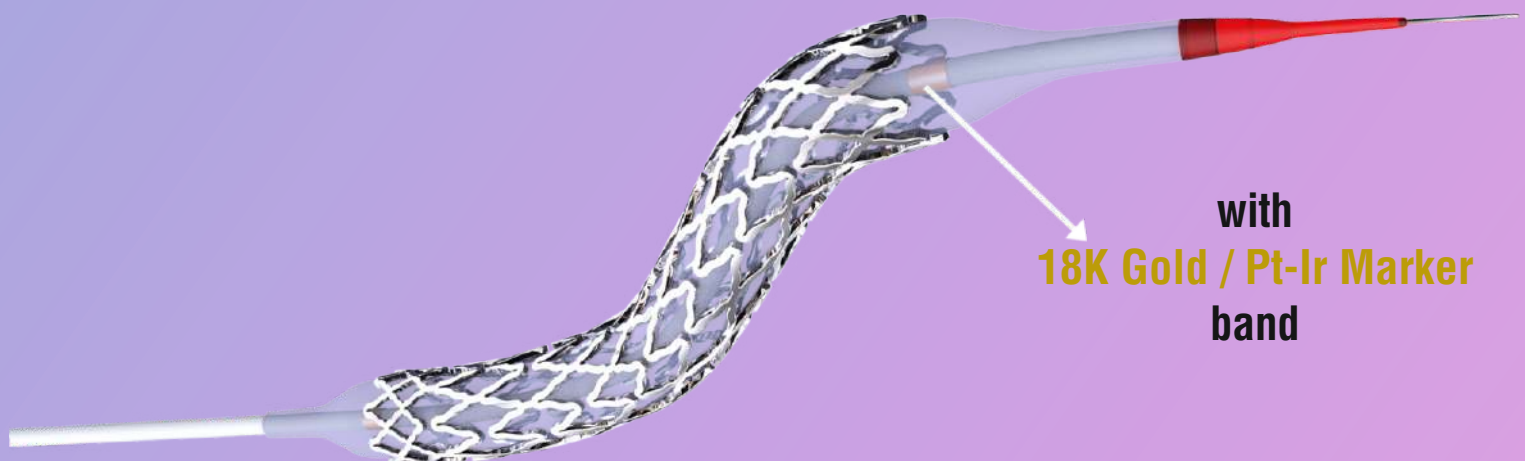
www.ntmdevices.com

ComicalTM

Sirolimus Eluting Coronary Stent System

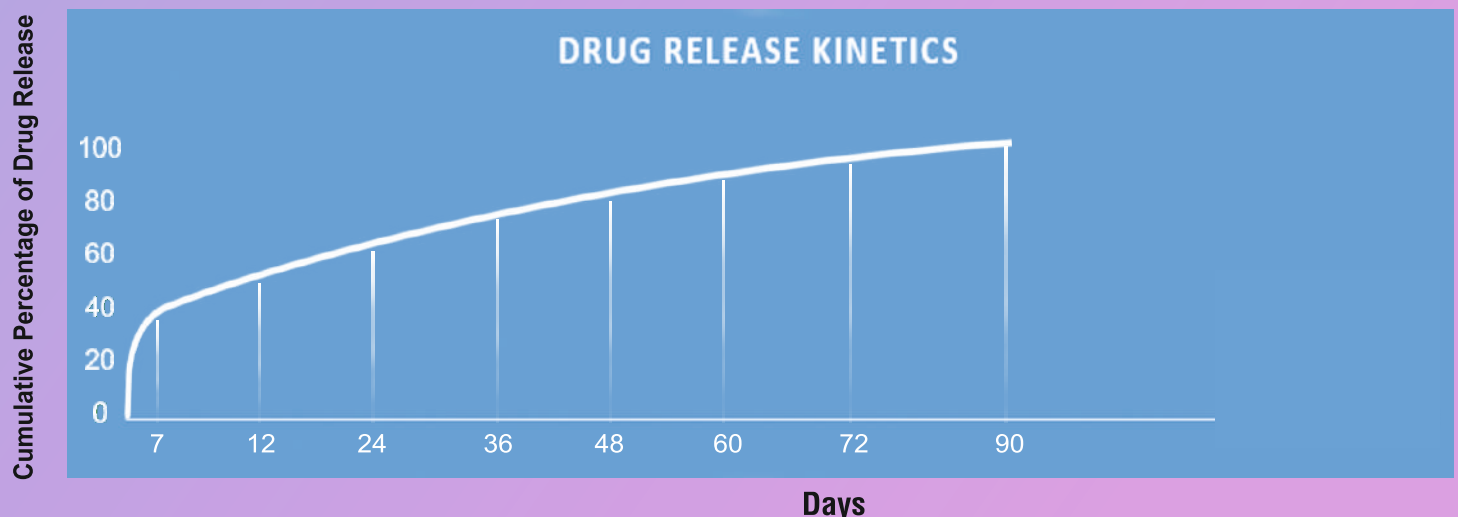
Device Component Description:

Stent Material	Medical Grade Cobalt Chromium (L605), laser cut seamless tubing with biodegradable polymer and Sirolimus mixture.
Delivery System Usable Length	140cm
Delivery System Adaptor Ports	Single access port to the inflation/deflation lumen. A guidewire exit port is located at 25cm from the tip. Designed for guidewire 0.014" (0.36mm).
Stent Delivery Balloon	Nylon balloon, nominally NMT 0.5mm over hang to stent length and location is defined by radio opaque GOLD 18K/Pt-Ir marker at proximal and distal end of stent.
Balloon Inflation Pressure	Nominal inflation pressure : 8atm - Vessel 2.00-3.00, Length 8-30mm 9atm - Vessel 2.25-3.00, Length 34-54mm 9atm - Vessel 3.50-4.50, Length 8-54mm Rated burst pressure: 16 atm.
Guiding Catheter Inner Diameter	≥5 Fr(1.4mm) Compatible
Guide Wire	0.014 inch
Strut Thickness (um)	80
Polymer Bio-Degradation	100% in 90 Days
Pushability and Trackability	Excellent
Stent Recoil	<6%
Foreshortening	<2%
Stent architecture	Hybrid Cell Design with Non-Linear links



Proven Drug Release Kinetics

Comical has proven drug release kinetics Initial Release of 30% to 40% Sirolimus in the first week followed by sustained release upto 90 days to maintain therapeutic sirolimus drug concentration to optimize the anti tissue proliferative action.



ComicalTM

Sirolimus Eluting Coronary Stent System

The Comical Sirolimus eluting stent system is a combination product comprised of two regulated components : a device (a coronary stent system) and a drug product (a formulation of Sirolimus contained in a polymer coating) pre mounted on balloon catheter between two GOLD 18K/ Pt - Ir radio opaque marker bands.

Stent Diameter (measured at 37.5 ° C tolerance $\pm$ 0.10 mm)

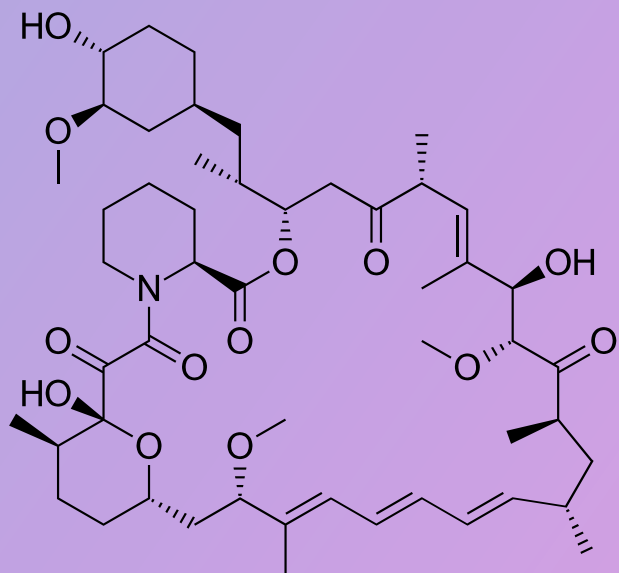
Pressure Bar	2.00mm	2.25mm	2.50mm	2.75mm	3.00mm	3.50mm	4.00mm	4.50mm
6	1.85mm	2.10 mm	2.35 mm	2.60 mm	2.80 mm	3.39 mm	3.85 mm	4.30 mm
7	1.90mm	2.15 mm	2.40 mm	2.65 mm	2.90 mm	3.42 mm	3.89 mm	4.40 mm
8*	1.95mm	2.23 mm	2.49 mm	2.75 mm	2.99 mm	3.45 mm	3.92 mm	4.42 mm
9**	2.00mm	2.25 mm	2.51 mm	2.78 mm	3.02 mm	3.48 mm	3.96 mm	4.45 mm
10	2.04mm	2.28 mm	2.54 mm	2.80 mm	3.04 mm	3.56 mm	4.10 mm	4.55 mm
11	2.08mm	2.30 mm	2.59 mm	2.86 mm	3.10 mm	3.62 mm	4.12 mm	4.58 mm
12	2.12mm	2.32 mm	2.62 mm	2.89 mm	3.14 mm	3.66 mm	4.16 mm	4.60 mm
13	2.15mm	2.35 mm	2.65 mm	2.92 mm	3.18 mm	3.70 mm	4.20 mm	4.65 mm
14	2.18mm	2.39 mm	2.67 mm	2.95 mm	3.20 mm	3.74 mm	4.24 mm	4.68 mm
15	2.20mm	2.41 mm	2.70 mm	2.98 mm	3.22 mm	3.78 mm	4.27 mm	4.72 mm
16***	2.22mm	2.43 mm	2.72 mm	3.01 mm	3.26 mm	3.80 mm	4.30 mm	4.75 mm
17	2.24mm	2.45 mm	2.75 mm	3.04 mm	3.30 mm	3.82 mm	4.32 mm	4.78 mm
18	2.25mm	2.47 mm	2.79 mm	3.08 mm	3.35 mm	3.86 mm	4.36 mm	4.81 mm
20	2.26mm	2.48 mm	2.81 mm	3.12 mm	3.40 mm	3.89 mm	4.40 mm	4.85 mm

*Nominal Pressure {
*8atm - Vessel 2.00-3.00, length 8 - 30 mm
**9atm - vessel 2.25 - 3.00, length 34 - 54 mm
**9atm - Vessel 3.50 - 4.50, length 8 - 54 mm

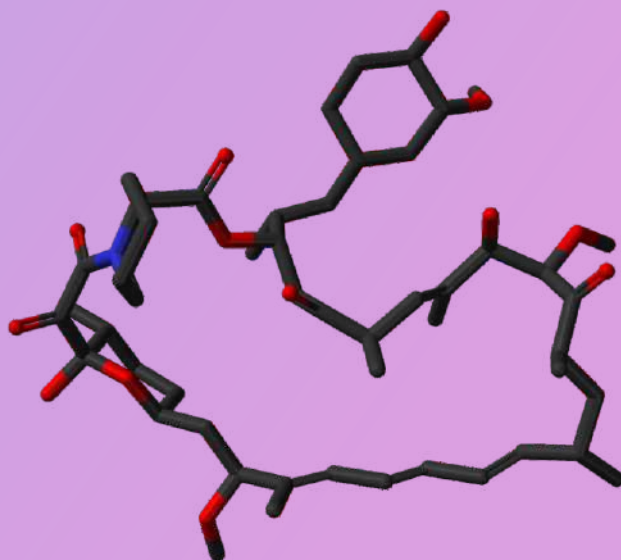
*** Rated Burst Pressure.

Drug Component Description

Comical Sirolimus stent is coating consists of a blend of sirolimus drug (the active ingredient) and biodegradable polymers (the inactive ingredient). Sirolimus is a Macrocyclic lactone produced by *streptomyces hygroscopicus*. The chemical name of sirolimus (also known as rapamycin) is (1R,9S,12S,15R,16E,18R,21R,23S,24E,26E,28E,30S,32S,35R)-1,18-dihydroxy-12-[(2R)-1-[(1S,3R,4R)-4-hydroxy-3-methoxycyclohexyl]propan-2-yl], 30-dimethoxy-15,17,21,23,29,35-hexamethyl-11,36-dioxo-4-azatricyclohexatriaconta-16,24,26,28-tetraene-2,3,10,14,20-pentone. Its molecular formula is C₅₁H₇₉N₁₃ and its molecular weight is 914.2.



Structural formula of sirolimus



3D Stick model

ComicalTM

Sirolimus Eluting Coronary Stent System

Ordering Information

NT/CC/22508

Length of Stent

Diameter of stent is 2.25 mm

CC is Comical Stent

NT is Newtech Medical Device

Stent Diameter	2.00 mm	2.25 mm	2.50 mm	2.75 mm	3.00 mm	3.50 mm	4.00 mm	4.50 mm
Length								
08 mm	NT/CC/20008	NT/CC/22508	NT/CC/25008	NT/CC/27508	NT/CC/30008	NT/CC/35008	NT/CC/40008	
12 mm	NT/CC/20012	NT/CC/22512	NT/CC/25012	NT/CC/27512	NT/CC/30012	NT/CC/35012	NT/CC/40012	
14 mm	NT/CC/20014	NT/CC/22514	NT/CC/25014	NT/CC/27514	NT/CC/30014	NT/CC/35014	NT/CC/40014	NT/CC/45014
16 mm	NT/CC/20016	NT/CC/22516	NT/CC/25016	NT/CC/27516	NT/CC/30016	NT/CC/35016	NT/CC/40016	NT/CC/45016
18 mm	NT/CC/20018	NT/CC/22518	NT/CC/25018	NT/CC/27518	NT/CC/30018	NT/CC/35018	NT/CC/40018	NT/CC/45018
20 mm	NT/CC/20020	NT/CC/22520	NT/CC/25020	NT/CC/27520	NT/CC/30020	NT/CC/35020	NT/CC/40020	NT/CC/45020
22 mm	NT/CC/20022	NT/CC/22522	NT/CC/25022	NT/CC/27522	NT/CC/30022	NT/CC/35022	NT/CC/40022	NT/CC/45022
24 mm	NT/CC/20024	NT/CC/22524	NT/CC/25024	NT/CC/27524	NT/CC/30024	NT/CC/35024	NT/CC/40024	NT/CC/45024
26 mm	NT/CC/20026	NT/CC/22526	NT/CC/25026	NT/CC/27526	NT/CC/30026	NT/CC/35026	NT/CC/40026	NT/CC/45026
28 mm	NT/CC/20028	NT/CC/22528	NT/CC/25028	NT/CC/27528	NT/CC/30028	NT/CC/35028	NT/CC/40028	NT/CC/45028
30 mm	NT/CC/20030	NT/CC/22530	NT/CC/25030	NT/CC/27530	NT/CC/30030	NT/CC/35030	NT/CC/40030	NT/CC/45030
32 mm		NT/CC/22532	NT/CC/25032	NT/CC/27532	NT/CC/30032	NT/CC/35032	NT/CC/40032	NT/CC/45032
34 mm		NT/CC/22534	NT/CC/25034	NT/CC/27534	NT/CC/30034	NT/CC/35034	NT/CC/40034	NT/CC/45034
36 mm		NT/CC/22536	NT/CC/25036	NT/CC/27536	NT/CC/30036	NT/CC/35036	NT/CC/40036	NT/CC/45036
38 mm		NT/CC/22538	NT/CC/25038	NT/CC/27538	NT/CC/30038	NT/CC/35038	NT/CC/40038	NT/CC/45038
40 mm			NT/CC/25040	NT/CC/27540	NT/CC/30040	NT/CC/35040	NT/CC/40040	NT/CC/45040
42 mm			NT/CC/25042	NT/CC/27542	NT/CC/30042	NT/CC/35042	NT/CC/40042	NT/CC/45042
46 mm			NT/CC/25046	NT/CC/27546	NT/CC/30046	NT/CC/35046	NT/CC/40046	NT/CC/45046
48 mm				NT/CC/27548	NT/CC/30048	NT/CC/35048	NT/CC/40048	NT/CC/45048
50 mm				NT/CC/27550	NT/CC/30050	NT/CC/35050	NT/CC/40050	NT/CC/45050
54 mm				NT/CC/27554	NT/CC/30054	NT/CC/35054	NT/CC/40054	NT/CC/45054

****Specifications and dimensions will be customized according to customer needs.**



For all Newtech Medical Devices Products

Kindly scan



Manufacturer :

Newtech Medical Devices Pvt. Ltd.

14/5 Mathura Road, Faridabad, Haryana 121003, INDIA.

stent@ntmdevices.com

www.ntmdevices.com

Mfg Lic. No. MFG/MD/2023/000475

Doc. No. : NTM/CT/QA/S/001 Rev. No. 02

www.ntmdevices.com



From Indigenous Idea to Newtech Solution

EvroCrossTM

With Biodegradable Polymer



Everolimus Eluting Coronary Stent System

www.ntmdevices.com

EvroCross™

Everolimus Eluting Coronary Stent System

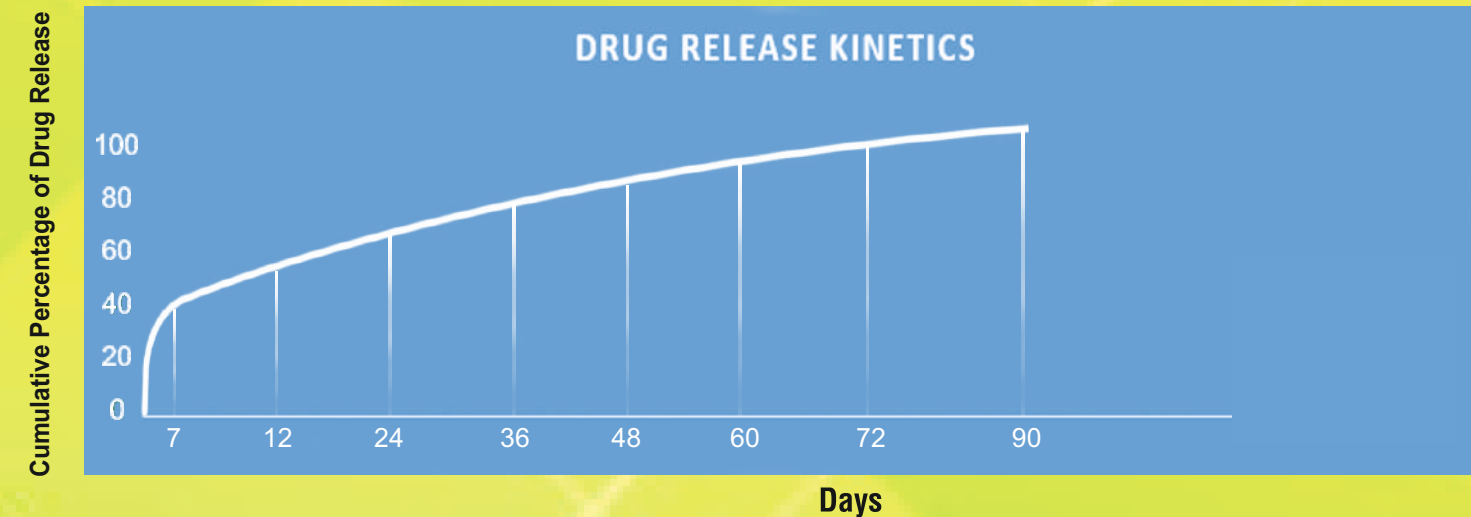
Device Component Description:

Stent Material	Medical Grade Cobalt Chromium (L605), laser cut seamless tubing with biodegradable polymer and Sirolimus mixture.
Delivery System usable length	140 cm
Delivery System Y Adaptor Ports	Single access port to the inflation/deflation lumen. A guide wire exit port is located at 25 cm from the tip. Designed for guidewire 0.014" (0.36 mm)
Stent Delivery Balloon	Nylon balloon, nominally NMT 0.5mm over hang to stent length and location is defined by radio opaque GOLD 18K/Pt-Ir marker at proximal and distal end of stent.
Balloon Infiation pressure	Nominal inflation pressure : 9 atm Rated burst pressure: 16 atm.
Guiding Catheter inner diameter	≥ 5 Fr. (1.40mm) Compatible
Guide Wire	0.014 inches
Strut Thickness (µm)	80
Polymer Bio-Degradation	100 % in 90 Days
Pushablity and Trackablity	Excellent
Stent Recoil	< 6 %
Foreshortening	< 2 %
Stent architecture	Hybrid cell design with Non-Linear links



Proven Drug Release Kinetics

EvroCross has proven drug release kinetics Initial Release of 30% to 40% Evrolimus in the first week followed by sustained release upto 90 days to maintain therapeutic Evrolimus drug concentration to optimize the anti tissue proliferative action.



EvroCross™

Everolimus Eluting Coronary Stent System

The **EvroCross** Everolimus eluting stent system is a combination product comprised of two regulated components : a device (a coronary stent system) and a drug product (a formulation of Everolimus contained in a polymer coating) pre mounted on balloon catheter between two GOLD 18 K/Pt - Ir radio opaque marker bands.

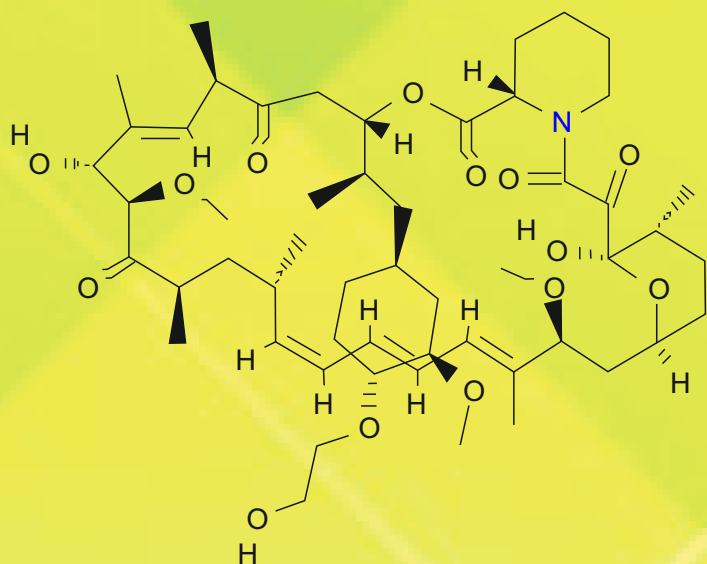
Stent Diameter (measured at 37.5 ° C tolerance ± 0.10 mm)

Pressure Bar	2.00mm	2.25mm	2.50mm	2.75mm	3.00mm	3.50mm	4.00mm	4.50mm
6	1.85mm	2.05mm	2.30mm	2.50 mm	2.70mm	3.30mm	3.70mm	4.20mm
7	1.90mm	2.10mm	2.35mm	2.55mm	2.80mm	3.36mm	3.76mm	4.25mm
8	1.95mm	2.15mm	2.40mm	2.60mm	2.85mm	3.40mm	3.85mm	4.32mm
9*	2.00mm	2.20mm	2.45mm	2.70mm	2.96mm	3.44mm	3.94mm	4.42mm
10	2.04mm	2.29mm	2.54 mm	2.80mm	3.08mm	3.57mm	4.10 mm	4.57mm
11	2.08mm	2.30 mm	2.59 mm	2.86mm	3.10mm	3.62mm	4.12 mm	4.59mm
12	2.12mm	2.32 mm	2.62 mm	2.89mm	3.14mm	3.66mm	4.16 mm	4.62mm
13	2.15mm	2.35 mm	2.65 mm	2.92mm	3.18mm	3.70mm	4.20 mm	4.65mm
14	2.18mm	2.39 mm	2.67 mm	2.95mm	3.20mm	3.74mm	4.24 mm	4.68 mm
15	2.20mm	2.41 mm	2.70 mm	2.98mm	3.22mm	3.78mm	4.27 mm	4.72 mm
16***	2.22mm	2.43 mm	2.72 mm	3.01mm	3.26mm	3.80mm	4.30 mm	4.75 mm
17	2.24mm	2.45 mm	2.75 mm	3.04mm	3.30mm	3.82mm	4.32 mm	4.78 mm
18	2.25mm	2.47 mm	2.79 mm	3.08mm	3.35mm	3.86mm	4.36 mm	4.81 mm
20	2.26mm	2.48 mm	2.81 mm	3.12mm	3.40mm	3.89mm	4.40 mm	4.85 mm

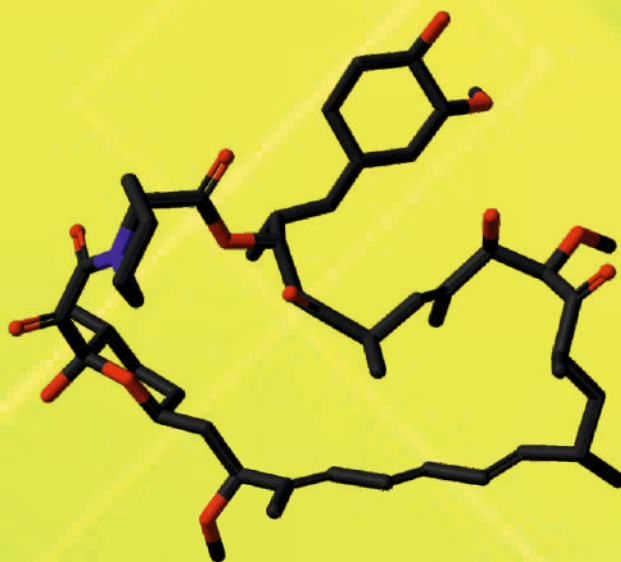
*Nominal Pressure ; ** Rated Burst Pressure.

Drug Component Description

EvroCross Everolimus stent is coating consists of a blend of Everolimus drug (the active ingredient) and biodegradable polymers (the inactive ingredient). Everolimus is a Macrocyclic lactone produced by *Streptomyces hygroscopicus*. The chemical name of Everolimus (also known as rapamycin) is (3S,6R,7E,9R,10R,12R,14S,15E,17E,19E,21S,23S,26R,27R,34aS)-9,10,12,13,14,21,22,23,24,25,26,27,32,33,34a-hexadecahydro-9,27-dihydroxy-3-[(1R)-2-[(1S,3R,4R)-4-hydroxy-3-methoxycyclohexyl]-1-methylethyl]-10,21-dimethoxy-6,8,12,14,20,26-hexamethyl-23,27-epoxy-3H-pyrido[2,1-c][1,4]oxaazacyclohentriacontine-1,5,11,28,29(4H,6H,31H)-pentone. Its molecular formula is C₅₃H₈₃N₃O₁₄ and its molecular weight is 958.224.



Structural formula of Everolimus



3D Stick model

EvroCross™

Everolimus Eluting Coronary Stent System

Ordering Information

NT/EC/22508

Length of Stent

Diameter of stent is 2.25 mm

EC is EvroCross Stent

NT is Newtech Medical Device

Stent Diameter	2.00 mm	2.25 mm	2.50 mm	2.75 mm	3.00 mm	3.50 mm	4.00 mm	4.50 mm	
Length									
08 mm	NT/EC/20008	NT/EC/22508	NT/EC/25008	NT/EC/27508	NT/EC/30008	NT/EC/35008	NT/EC/40008		
12 mm	NT/EC/20012	NT/EC/22512	NT/EC/25012	NT/EC/27512	NT/EC/30012	NT/EC/35012	NT/EC/40012		
14 mm	NT/EC/20014	NT/EC/22514	NT/EC/25014	NT/EC/27514	NT/EC/30014	NT/EC/35014	NT/EC/40014		
16 mm	NT/EC/20016	NT/EC/22516	NT/EC/25016	NT/EC/27516	NT/EC/30016	NT/EC/35016	NT/EC/40016		
18 mm	NT/EC/20018	NT/EC/22518	NT/EC/25018	NT/EC/27518	NT/EC/30018	NT/EC/35018	NT/EC/40018	NT/EC/45018	
20 mm	NT/EC/20020	NT/EC/22520	NT/EC/25020	NT/EC/27520	NT/EC/30020	NT/EC/35020	NT/EC/40020	NT/EC/45020	
22 mm	NT/EC/20022	NT/EC/22522	NT/EC/25022	NT/EC/27522	NT/EC/30022	NT/EC/35022	NT/EC/40022	NT/EC/45022	
24 mm	NT/EC/20024	NT/EC/22524	NT/EC/25024	NT/EC/27524	NT/EC/30024	NT/EC/35024	NT/EC/40024	NT/EC/45024	
26 mm	NT/EC/20026	NT/EC/22526	NT/EC/25026	NT/EC/27526	NT/EC/30026	NT/EC/35026	NT/EC/40026	NT/EC/45026	
28 mm	NT/EC/20028	NT/EC/22528	NT/EC/25028	NT/EC/27528	NT/EC/30028	NT/EC/35028	NT/EC/40028	NT/EC/45028	
30 mm	NT/EC/20030	NT/EC/22530	NT/EC/25030	NT/EC/27530	NT/EC/30030	NT/EC/35030	NT/EC/40030	NT/EC/45030	
32 mm		NT/EC/22532	NT/EC/25032	NT/EC/27532	NT/EC/30032	NT/EC/35032	NT/EC/40032	NT/EC/45032	
34 mm		NT/EC/22534	NT/EC/25034	NT/EC/27534	NT/EC/30034	NT/EC/35034	NT/EC/40034	NT/EC/45034	
36 mm		NT/EC/22536	NT/EC/25036	NT/EC/27536	NT/EC/30036	NT/EC/35036	NT/EC/40036	NT/EC/45036	
38 mm		NT/EC/22538	NT/EC/25038	NT/EC/27538	NT/EC/30038	NT/EC/35038	NT/EC/40038	NT/EC/45038	
40 mm			NT/EC/25040	NT/EC/27540	NT/EC/30040	NT/EC/35040	NT/EC/40040	NT/EC/45040	
42 mm			NT/EC/25042	NT/EC/27542	NT/EC/30042	NT/EC/35042	NT/EC/40042	NT/EC/45042	
46 mm			NT/EC/25046	NT/EC/27546	NT/EC/30046	NT/EC/35046	NT/EC/40046	NT/EC/45046	
48 mm				NT/EC/27548	NT/EC/30048	NT/EC/35048	NT/EC/40048	NT/EC/45048	
50 mm				NT/EC/27550	NT/EC/30050	NT/EC/35050	NT/EC/40050	NT/EC/45050	
54 mm				NT/EC/27554	NT/EC/30054	NT/EC/35054	NT/EC/40054	NT/EC/45054	

****Specifications and dimensions will be customized according to customer needs.**



For all Newtech Medical Devices Products

Kindly scan



Manufacturer :

Newtech Medical Devices Pvt. Ltd.

14/5, Mathura Road, Faridabad,
Haryana- 121003 (INDIA).

stent@ntmdevices.com

Mfg. Lic. No. :MFG/MD/2023/000475

Doc. No. : NTM/CT/QA/S/007 Rev. No. 02

www.ntmdevices.com



From Indigenous Idea to Newtech Solution

EvroSureTM

With Biodegradable Polymer



Everolimus Eluting Coronary Stent System

www.ntmdevices.com

EvroSure™

Everolimus Eluting Coronary Stent System

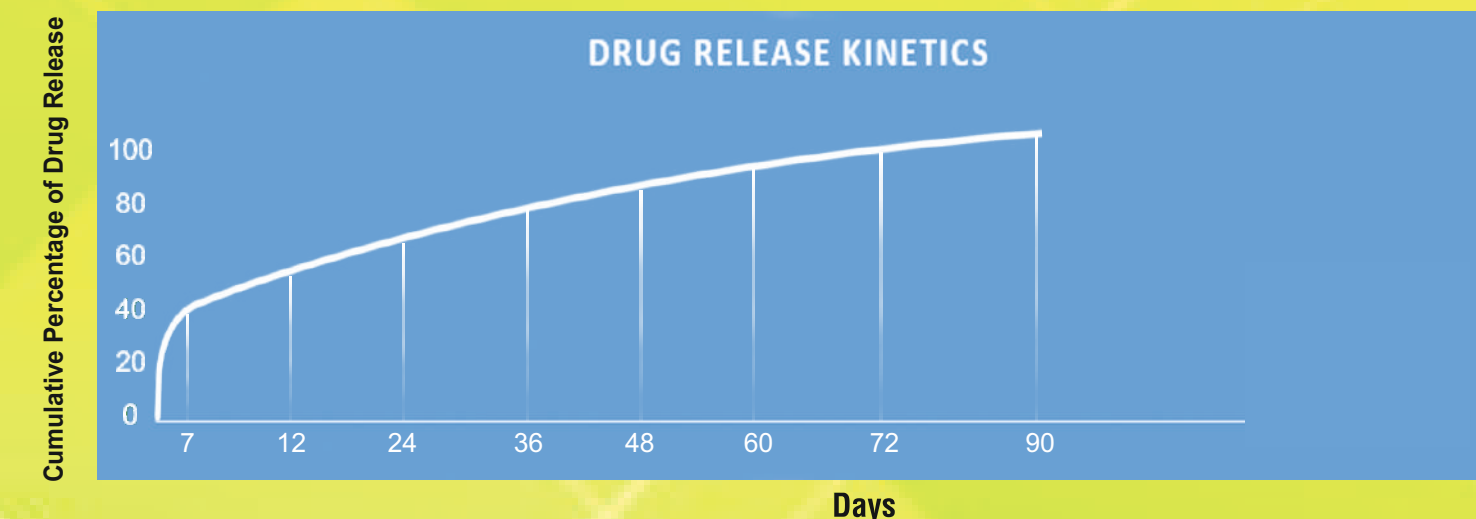
EvroSure Everolims Eluting Coronary Stent System

Stent Material	Implantable Cobalt Chromium (L605), laser cut seamless tubing in a serpentine pattern coated with a polymer and Everolimus mixture.
Delivery System usable length	142 cm
Delivery System Y Adaptor Ports	Single access port to the inflation/deflation lumen. A guide wire exit port is located at 25 cm from the tip. Designed for guidewire 0.014" (0.36 mm)
Stent Delivery Balloon	Nylon balloon, nominally 1.0 mm longer than stent, mounted stent length and location in defined by radiopaque Gold 18K/Pt-Ir marker at proximal and distal to stent.
Balloon Inflation pressure	Nominal inflation pressure : 9ATM Rated burst pressure: 16 ATM*.
Guiding Catheter inner diameter	5 Fr. (1.40mm) Compatible
Guide Wire	0.014 inches
Strut Thickness (μm)	65 ± 5
Polymer Bio-Degradation	100 % 12-13 weeks
Pushability and Trackability	Excellent
Stent Recoil	< 6 %
Foreshortening	< 2 %
Stent architecture	Hybrid cell design with Non-Linear links



Proven Drug Release Kinetics

EvroSure has proven drug release kinetics Initial Burst Release of 30% to 40% Evrolimus in the first week followed by sustained release upto 90 days to maintain therapeutic Evrolimus drug concentration to optimize the anti tissue proliferative action.



EvroSure™

Everolimus Eluting Coronary Stent System

The **EvroSure** Everolimus eluting stent system is a combination product comprised of two regulated components : a device (a coronary stent system) and a drug product (a formulation of Everolimus contained in a polymer coating) pre mounted on balloon catheter between two GOLD/Pt - Ir radio opaque marker bands.

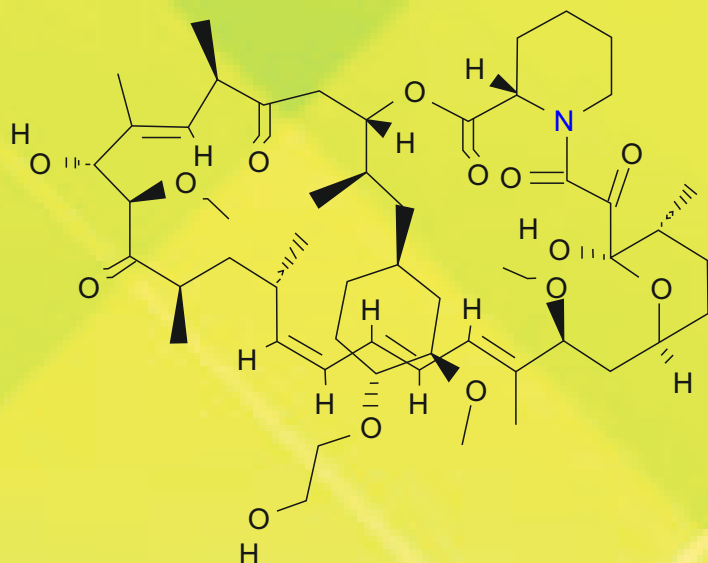
Stent Diameter (measured at 37.5 ° C tolerance + 0.10 mm)

Pressure Bar	2.00mm	2.25mm	2.50mm	2.75mm	3.00mm	3.50mm	4.00mm	4.50 mm
6	2.00	2.05	2.30	2.50	2.70	3.30	3.70	4.20
7	2.10	2.10	2.35	2.55	2.80	3.36	3.76	4.25
8	2.15	2.15	2.40	2.60	2.85	3.40	3.85	4.32
9*	2.23	2.20	2.45	2.70	2.96	3.44	3.94	4.42
10	2.25	2.29	2.54	2.80	3.08	3.57	4.10	4.57
11	2.28	2.30	2.59	2.86	3.10	3.62	4.12	4.59
12	2.30	2.32	2.62	2.89	3.14	3.66	4.16	4.62
13	2.32	2.35	2.65	2.92	3.18	3.70	4.20	4.65
14	2.35	2.39	2.67	2.95	3.20	3.74	4.24	4.68
15	2.39	2.41	2.70	2.98	3.22	3.78	4.27	4.72
16**	2.41	2.43	2.72	3.01	3.26	3.80	4.30	4.75
17	2.43	2.45	2.75	3.04	3.30	3.82	4.32	4.78
18	2.45	2.47	2.79	3.08	3.35	3.86	4.36	4.81
20	2.47	2.48	2.81	3.12	3.40	3.89	4.40	4.85

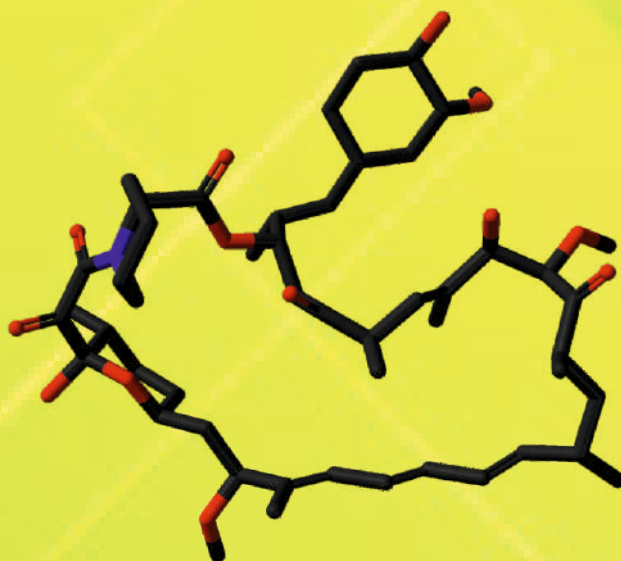
*Nominal Pressure ; ** Rated Burst Pressure. # For stent size above 34 mm , kindly refer compliance chart on the outer label.

Drug Component Description

EvroSure Everolimus stent is coating consists of a blend of Everolimus drug (the active ingredient) and biodegradable polymers (the inactive ingredient). Everolimus is a Macrocyclic lactone produced by streptomyces hygroscopicus. The chemical name of Everolimus (also known as rapamycin) is (3S,6R,7E,9R,10R,12R,14S,15E,17E,19E,21S,23S,26R,27R,34aS)-9,10,12,13,14,21,22,23,24,25,26,27,32,33,34a-hexadecahydro-9,27-dihydroxy-3-[(1R)-2-[(1S,3R,4R)-4-hydroxy-3-methoxycyclohexyl]-1-methylethyl]-10,21-dimethoxy-6,8,12,14,20,26-hexamethyl-23,27-epoxy-3H-pyrido[2,1-c][1,4]oxaazacyclohentriacontine-1,5,11,28,29(4H,6H,31H)-pentone. Its molecular formula is C₅₃H₈₃N₃O₁₄ and its molecular weight is 958.224.



Structural formula of Everolimus



3D Stick model

EvroSure™

Everolimus Eluting Coronary Stent System

Ordering Information

NT/ES/22508

Length of Stent

Diameter of stent 225 is 2.25 mm

ES is **EvroSure** Stent

NT is Newtech Medical Device

Stent Diameter	2.00 mm	2.25 mm	2.50 mm	2.75 mm	3.00 mm	3.50 mm	4.00 mm	4.50 mm
Length								
08 mm	NT/ES/20008	NT/ES/22508	NT/ES/25008	NT/ES/27508	NT/ES/30008	NT/ES/35008	NT/ES/40008	
12 mm	NT/ES/20012	NT/ES/22512	NT/ES/25012	NT/ES/27512	NT/ES/30012	NT/ES/35012	NT/ES/40012	
14 mm	NT/ES/20014	NT/ES/22514	NT/ES/25014	NT/ES/27514	NT/ES/30014	NT/ES/35014	NT/ES/40014	NT/ES/45014
18 mm	NT/ES/20018	NT/ES/22518	NT/ES/25018	NT/ES/27518	NT/ES/30018	NT/ES/35018	NT/ES/40018	NT/ES/45018
22 mm	NT/ES/20022	NT/ES/22522	NT/ES/25022	NT/ES/27522	NT/ES/30022	NT/ES/35022	NT/ES/40022	NT/ES/45022
26 mm	NT/ES/20026	NT/ES/22526	NT/ES/25026	NT/ES/27526	NT/ES/30026	NT/ES/35026	NT/ES/40026	NT/ES/45026
30 mm	NT/ES/20030	NT/ES/22530	NT/ES/25030	NT/ES/27530	NT/ES/30030	NT/ES/35030	NT/ES/40030	NT/ES/45030
34 mm				NT/ES/27534	NT/ES/30034	NT/ES/35034	NT/ES/40034	NT/ES/45034
38 mm				NT/ES/27538	NT/ES/30038	NT/ES/35038	NT/ES/40038	NT/ES/45038
42 mm					NT/ES/30042	NT/ES/35042	NT/ES/40042	NT/ES/45042
46 mm					NT/ES/30046	NT/ES/35046	NT/ES/40046	NT/ES/45046
48 mm					NT/ES/30048	NT/ES/35048	NT/ES/40048	NT/ES/45048
50 mm					NT/ES/30050	NT/ES/35050	NT/ES/40050	NT/ES/45050
54 mm					NT/ES/30054	NT/ES/35054	NT/ES/40054	NT/ES/45054

**Specifications and dimensions will be customized according to customer needs.

For all Newtech Medical Devices Products

Kindly scan



Manufacturer :

Newtech Medical Devices Pvt. Ltd.

14/5, Mathura Road, Faridabad,
Haryana- 121003 (INDIA).

stent@ntmdevices.com

Mfg. Lic. No. :MFG/MD/2019/000201

Doc/Rev. No. NTM/BR/01 / 00



Newtech Medical Devices



www.ntmdevices.com



From Indigenous Idea to Newtech Solution

EvroNew™

With Biodegradable Polymer



Everolimus Eluting Coronary Stent System

www.ntmdevices.com

EvroNew™

Everolimus Eluting Coronary Stent System

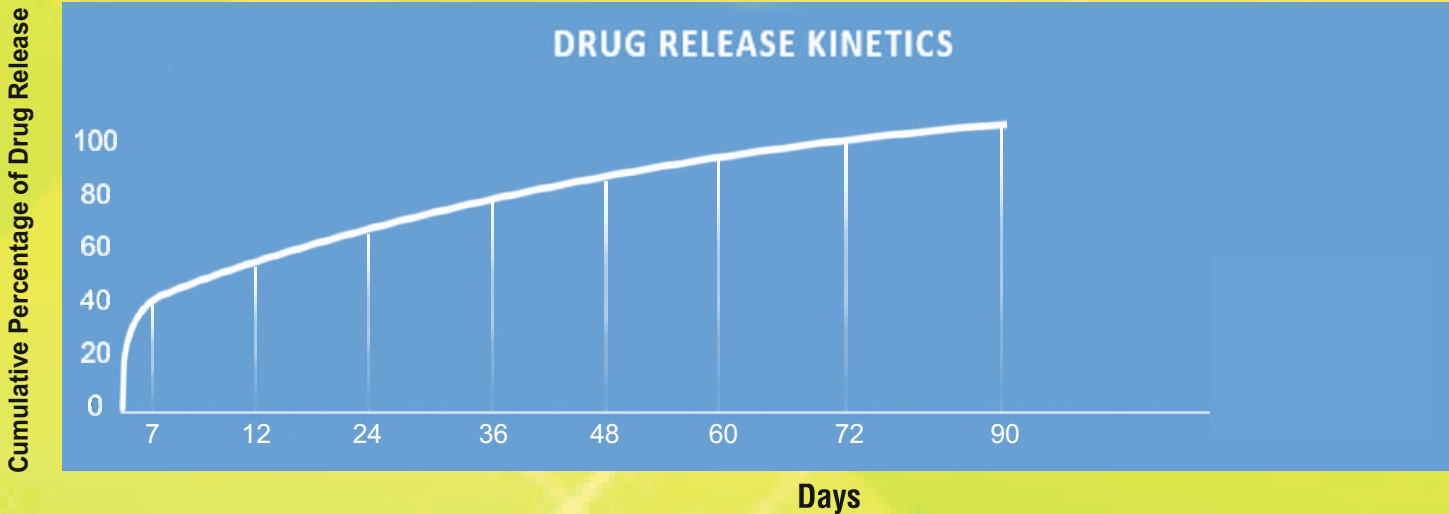
EvroNew Everolims Eluting Coronary Stent System

Stent Material	Medical Grade Cobalt Chromium (L605), laser cut seamless tubing with biodegradable polymer and Sirolimus mixture.
Delivery System Usable Length	140cm
Delivery System Adaptor Ports	Single access port to the inflation/deflation lumen. A guidewire exit port is located at 25cm from the tip. Designed for guidewire 0.014" (0.36mm).
Stent Delivery Balloon	Nylon balloon, nominally NMT 0.5mm over hang to stent length and location is defined by radio opaque GOLD 18K/Pt-Ir marker at proximal and distal end of stent.
Balloon Inflation Pressure	Nominal inflation pressure : 9 atm Rated burst pressure: 16 atm.
Guiding Catheter Inner Diameter	≥5 Fr(1.4mm) Compatible
Guide Wire	0.014 inch
Strut Thickness (um)	50
Polymer Bio-Degradation	100% in 90 Days
Pushability and Trackability	Excellent
Stent Recoil	<6%
Foreshortening	<2%
Stent architecture	Hybrid Cell Design with Non-Linear links



Proven Drug Release Kinetics

EvroNew has proven drug release kinetics Initial Burst Release of 30% to 40% Evrolimus in the first week followed by sustained release upto 90 days to maintain therapeutic Evrolimus drug concentration to optimize the anti tissue proliferative action.



Everolimus Eluting Coronary Stent System

The EvroNew Everolimus eluting stent system is a combination product comprised of two regulated components : a device (a coronary stent system) and a drug product (a formulation of Everolimus contained in a polymer coating) pre mounted on balloon catheter between two GOLD 18 K/Pt - Ir radio opaque marker bands.

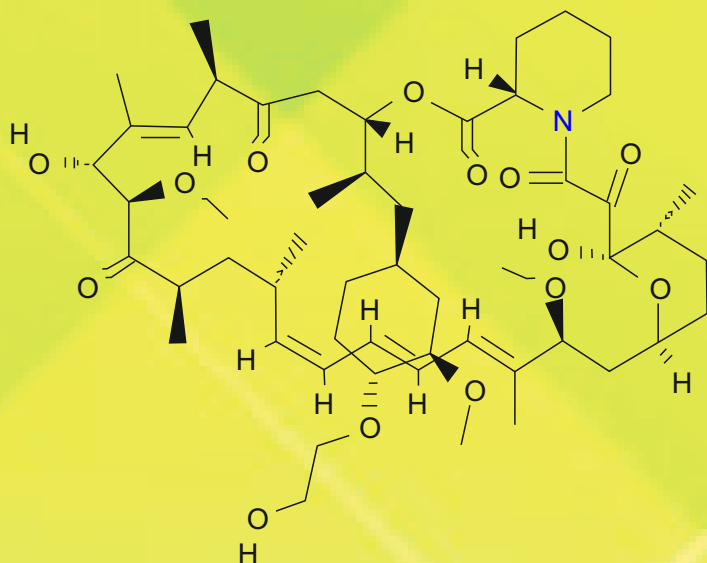
Stent Diameter (measured at 37.5 ° C tolerance $\pm$ 0.10 mm)

Pressure Bar	2.00mm	2.25mm	2.50mm	2.75mm	3.00mm	3.50mm	4.00mm	4.50mm
6	1.85mm	2.05mm	2.30mm	2.50 mm	2.70mm	3.30mm	3.70mm	4.20mm
7	1.90mm	2.10mm	2.35mm	2.55mm	2.80mm	3.36mm	3.76mm	4.25mm
8	1.95mm	2.15mm	2.40mm	2.60mm	2.85mm	3.40mm	3.85mm	4.32mm
9*	2.00mm	2.20mm	2.45mm	2.70mm	2.96mm	3.44mm	3.94mm	4.42mm
10	2.04mm	2.29mm	2.54 mm	2.80mm	3.08mm	3.57mm	4.10 mm	4.57mm
11	2.08mm	2.30 mm	2.59 mm	2.86mm	3.10mm	3.62mm	4.12 mm	4.59mm
12	2.12mm	2.32 mm	2.62 mm	2.89mm	3.14mm	3.66mm	4.16 mm	4.62mm
13	2.15mm	2.35 mm	2.65 mm	2.92mm	3.18mm	3.70mm	4.20 mm	4.65mm
14	2.18mm	2.39 mm	2.67 mm	2.95mm	3.20mm	3.74mm	4.24 mm	4.68 mm
15	2.20mm	2.41 mm	2.70 mm	2.98mm	3.22mm	3.78mm	4.27 mm	4.72 mm
16***	2.22mm	2.43 mm	2.72 mm	3.01mm	3.26mm	3.80mm	4.30 mm	4.75 mm
17	2.24mm	2.45 mm	2.75 mm	3.04mm	3.30mm	3.82mm	4.32 mm	4.78 mm
18	2.25mm	2.47 mm	2.79 mm	3.08mm	3.35mm	3.86mm	4.36 mm	4.81 mm
20	2.26mm	2.48 mm	2.81 mm	3.12mm	3.40mm	3.89mm	4.40 mm	4.85 mm

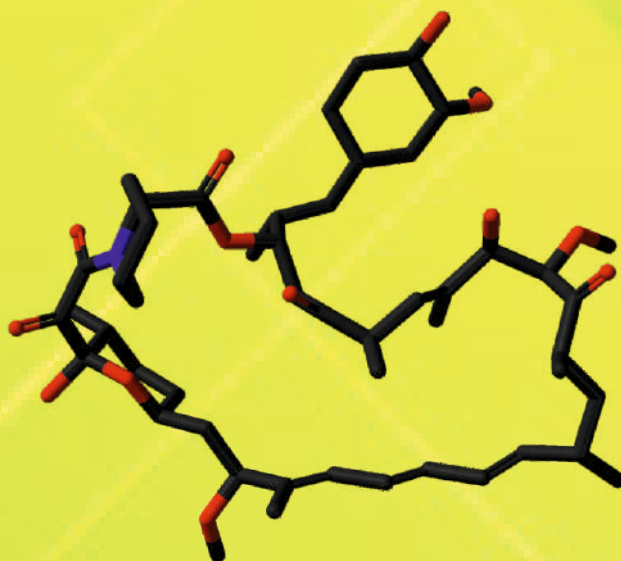
*Nominal Pressure ; ** Rated Burst Pressure.

Drug Component Description

EvroNew Everolimus stent is coating consists of a blend of Everolimus drug (the active ingredient) and biodegradable polymers (the inactive ingredient). Everolimus is a Macrocyclic lactone produced by streptomyces hygroscopicus. The chemical name of Everolimus (also known as rapamycin) is (3S,6R,7E,9R,10R,12R,14S,15E,17E,19E,21S,23S,26R,27R,34aS)-9,10,12,13,14,21,22,23,24,25,26,27,32,33,34ahexadecahydro-9,27-dihydroxy-3-[(1R)-2-[(1S,3R,4R)-4-hydroxy-3-methoxycyclohexyl]-1-methylethyl]-10,21-dimethoxy-6,8,12,14,20,26-hexamethyl-23,27-epoxy-3H-pyrido[2,1-c][1,4]oxaazacyclohentriacontine-1,5,11,28,29(4H,6H,31H)-pentone. Its molecular formula is C₅₃H₈₃N₃O₁₄ and its molecular weight is 958.224.



Structural formula of Everolimus



3D Stick model

Everolimus Eluting Coronary Stent System

Ordering Information

NT/EN/22508

Length of Stent

Diameter of stent 225 is 2.25 mm

EN is EvroNew Stent EvroNew

NT is Newtech Medical Device

Stent Diameter	2.00 mm	2.25 mm	2.50 mm	2.75 mm	3.00 mm	3.50 mm	4.00 mm	4.50 mm
Length								
08 mm	NT/EN/20008	NT/EN/22508	NT/EN/25008	NT/EN/27508	NT/EN/30008	NT/EN/35008	NT/EN/40008	
12 mm	NT/EN/20012	NT/EN/22512	NT/EN/25012	NT/EN/27512	NT/EN/30012	NT/EN/35012	NT/EN/40012	
14 mm	NT/EN/20014	NT/EN/22514	NT/EN/25014	NT/EN/27514	NT/EN/30014	NT/EN/35014	NT/EN/40014	NT/EN/45014
16 mm	NT/EN/20016	NT/EN/22516	NT/EN/25016	NT/EN/27516	NT/EN/30016	NT/EN/35016	NT/EN/40016	NT/EN/45016
18 mm	NT/EN/20018	NT/EN/22518	NT/EN/25018	NT/EN/27518	NT/EN/30018	NT/EN/35018	NT/EN/40018	NT/EN/45018
20 mm	NT/EN/20020	NT/EN/22520	NT/EN/25020	NT/EN/27520	NT/EN/30020	NT/EN/35020	NT/EN/40020	NT/EN/45020
22 mm	NT/EN/20022	NT/EN/22522	NT/EN/25022	NT/EN/27522	NT/EN/30022	NT/EN/35022	NT/EN/40022	NT/EN/45022
24 mm	NT/EN/20024	NT/EN/22524	NT/EN/25024	NT/EN/27524	NT/EN/30024	NT/EN/35024	NT/EN/40024	NT/EN/45024
26 mm	NT/EN/20026	NT/EN/22526	NT/EN/25026	NT/EN/27526	NT/EN/30026	NT/EN/35026	NT/EN/40026	NT/EN/45026
28 mm	NT/EN/20028	NT/EN/22528	NT/EN/25028	NT/EN/27528	NT/EN/30028	NT/EN/35028	NT/EN/40028	NT/EN/45028
30 mm	NT/EN/20030	NT/EN/22530	NT/EN/25030	NT/EN/27530	NT/EN/30030	NT/EN/35030	NT/EN/40030	NT/EN/45030
32 mm		NT/EN/22532	NT/EN/25032	NT/EN/27532	NT/EN/30032	NT/EN/35032	NT/EN/40032	NT/EN/45032
34 mm		NT/EN/22534	NT/EN/25034	NT/EN/27534	NT/EN/30034	NT/EN/35034	NT/EN/40034	NT/EN/45034
36 mm		NT/EN/22536	NT/EN/25036	NT/EN/27536	NT/EN/30036	NT/EN/35036	NT/EN/40036	NT/EN/45036
38 mm		NT/EN/22538	NT/EN/25038	NT/EN/27538	NT/EN/30038	NT/EN/35038	NT/EN/40038	NT/EN/45038
40 mm			NT/EN/25040	NT/EN/27540	NT/EN/30040	NT/EN/35040	NT/EN/40040	NT/EN/45040
42 mm			NT/EN/25042	NT/EN/27542	NT/EN/30042	NT/EN/35042	NT/EN/40042	NT/EN/45042
46 mm			NT/EN/25046	NT/EN/27546	NT/EN/30046	NT/EN/35046	NT/EN/40046	NT/EN/45046
48 mm				NT/EN/27548	NT/EN/30048	NT/EN/35048	NT/EN/40048	NT/EN/45048
50 mm				NT/EN/27550	NT/EN/30050	NT/EN/35050	NT/EN/40050	NT/EN/45050
54 mm				NT/EN/27554	NT/EN/30054	NT/EN/35054	NT/EN/40054	NT/EN/45054

**Specifications and dimensions will be customized according to customer needs.



For all Newtech Medical Devices Products

Kindly scan



Manufacturer :

Newtech Medical Devices Pvt. Ltd.

14/5, Mathura Road, Faridabad,

Haryana- 121003 (INDIA).

stent@ntmdevices.com

Mfg. Lic. No. :MFG/MD/2023/000475

Doc. No. : NTM/CT/QA/S/008

Rev. No. 02

www.ntmdevices.com



From Indigenous Idea to Newtech Solution

EvroPlusTM

With Biodegradable Polymer



Everolimus Eluting Coronary Stent System

www.ntmdevices.com

EvroPlus™

Everolimus Eluting Coronary Stent System

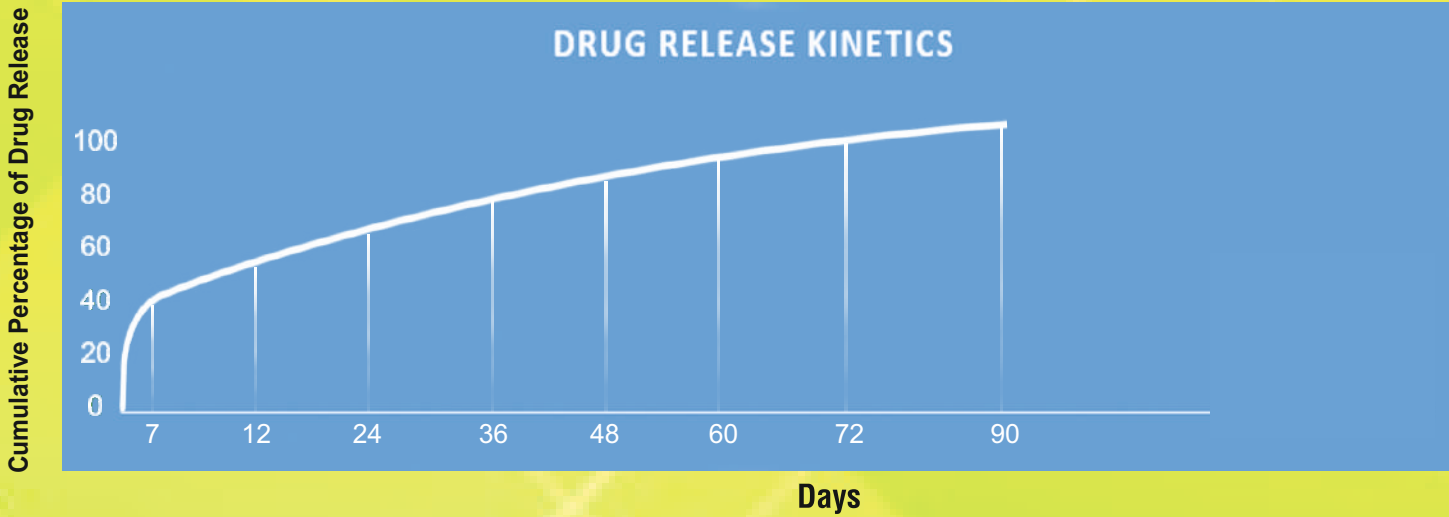
EvroPlus Everolims Eluting Coronary Stent System

Stent Material	Medical Grade Cobalt Chromium (L605), laser cut seamless tubing with biodegradable polymer and Sirolimus mixture.
Delivery System Usable Length	140cm
Delivery System Adaptor Ports	Single access port to the inflation/deflation lumen. A guidewire exit port is located at 25cm from the tip. Designed for guidewire 0.014" (0.36mm).
Stent Delivery Balloon	Nylon balloon, nominally NMT 0.5mm over hang to stent length and location is defined by radio opaque GOLD 18K/Pt-Ir marker at proximal and distal end of stent.
Balloon Inflation Pressure	Nominal inflation pressure : 9 atm Rated burst pressure: 16 atm.
Guiding Catheter Inner Diameter	≥5 Fr(1.4mm) Compatible
Guide Wire	0.014 inch
Strut Thickness (um)	55
Polymer Bio-Degradation	100% in 90 Days
Pushability and Trackability	Excellent
Stent Recoil	<6%
Foreshortening	<2%
Stent architecture	Hybrid Cell Design with Non-Linear links



Proven Drug Release Kinetics

EvroPlus has proven drug release kinetics Initial Burst Release of 30% to 40% Evrolimus in the first week followed by sustained release upto 90 days to maintain therapeutic Evrolimus drug concentration to optimize the anti tissue proliferative action.



EvroPlus™

Everolimus Eluting Coronary Stent System

The EvroPlus Everolimus eluting stent system is a combination product comprised of two regulated components : a device (a coronary stent system) and a drug product (a formulation of Everolimus contained in a polymer coating) mounted on balloon catheter between two GOLD 18 K/Pt - Ir radio opaque marker bands.

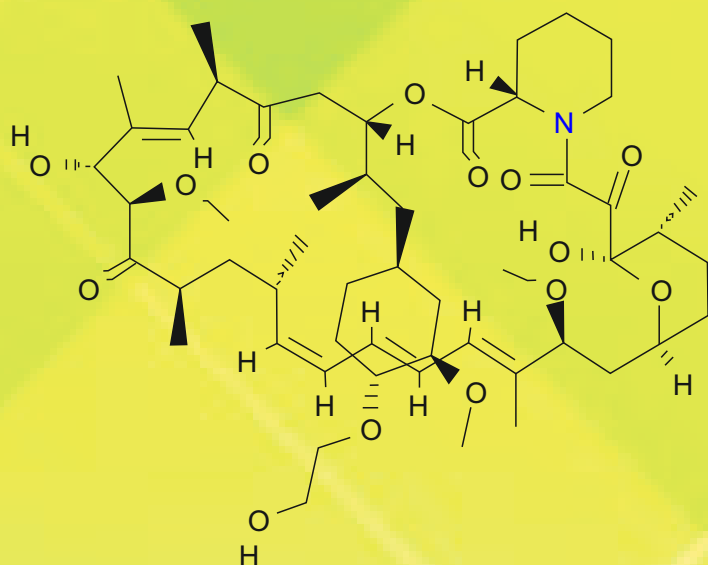
Stent Diameter (measured at 37.5 ° C tolerance ± 0.10 mm)

Pressure Bar	2.00mm	2.25mm	2.50mm	2.75mm	3.00mm	3.50mm	4.00mm	4.50mm
6	1.85mm	2.05mm	2.30mm	2.50 mm	2.70mm	3.30mm	3.70mm	4.20mm
7	1.90mm	2.10mm	2.35mm	2.55mm	2.80mm	3.36mm	3.76mm	4.25mm
8	1.95mm	2.15mm	2.40mm	2.60mm	2.85mm	3.40mm	3.85mm	4.32mm
9*	2.00mm	2.20mm	2.45mm	2.70mm	2.96mm	3.44mm	3.94mm	4.42mm
10	2.04mm	2.29mm	2.54 mm	2.80mm	3.08mm	3.57mm	4.10 mm	4.57mm
11	2.08mm	2.30 mm	2.59 mm	2.86mm	3.10mm	3.62mm	4.12 mm	4.59mm
12	2.12mm	2.32 mm	2.62 mm	2.89mm	3.14mm	3.66mm	4.16 mm	4.62mm
13	2.15mm	2.35 mm	2.65 mm	2.92mm	3.18mm	3.70mm	4.20 mm	4.65mm
14	2.18mm	2.39 mm	2.67 mm	2.95mm	3.20mm	3.74mm	4.24 mm	4.68 mm
15	2.20mm	2.41 mm	2.70 mm	2.98mm	3.22mm	3.78mm	4.27 mm	4.72 mm
16***	2.22mm	2.43 mm	2.72 mm	3.01mm	3.26mm	3.80mm	4.30 mm	4.75 mm
17	2.24mm	2.45 mm	2.75 mm	3.04mm	3.30mm	3.82mm	4.32 mm	4.78 mm
18	2.25mm	2.47 mm	2.79 mm	3.08mm	3.35mm	3.86mm	4.36 mm	4.81 mm
20	2.26mm	2.48 mm	2.81 mm	3.12mm	3.40mm	3.89mm	4.40 mm	4.85 mm

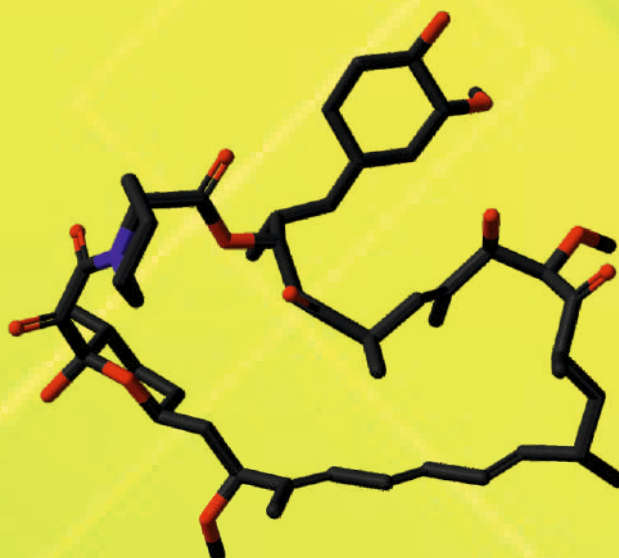
*Nominal Pressure ; ** Rated Burst Pressure.

Drug Component Description

EvroPlus Everolimus stent is coating consists of a blend of Everolimus drug (the active ingredient) and biodegradable polymers (the inactive ingredient). Everolimus is a Macrocyclic lactone produced by streptomyces hygroscopicus. The chemical name of Everolimus (also known as rapamycin) is (3S,6R,7E,9R,10R,12R,14S,15E,17E,19E,21S,23S,26R,27R,34aS)-9,10,12,13,14,21,22,23,24,25,26,27,32,33,34,34a-hexadecahydro-9,27-dihydroxy-3-[(1R)-2-[(1S,3R,4R)-4-hydroxy-3-methoxycyclohexyl]-1-methylethyl]-10,21-dimethoxy-6,8,12,14,20,26-hexamethyl-23,27-epoxy-3H-pyrido[2,1-c][1,4]oxaazacyclohentacontine-1,5,11,28,29(4H,6H,31H)-pentone. Its molecular formula is C₅₃H₈₃N₂O₁₄ and its molecular weight is 958.224.



Structural formula of Everolimus



3D Stick model

EvroPlus™

Everolimus Eluting Coronary Stent System

Ordering Information

NT/EP/22508

Length of Stent

Diameter of stent 225 is 2.25 mm

EP is EvroPlus Stent

NT is Newtech Medical Device

Stent Diameter	2.00 mm	2.25 mm	2.50 mm	2.75 mm	3.00 mm	3.50 mm	4.00 mm	4.50 mm	
Length									
08 mm	NT/EP/20008	NT/EP/22508	NT/EP/25008	NT/EP/27508	NT/EP/30008	NT/EN/35008	NT/EP/40008		
12 mm	NT/EP/20012	NT/EP/22512	NT/EP/25012	NT/EP/27512	NT/EP/30012	NT/EP/35012	NT/EP/40012		
14 mm	NT/EP/20014	NT/EP/22514	NT/EP/25014	NT/EP/27514	NT/EP/30014	NT/EP/35014	NT/EP/40014		NT/EP/45014
16 mm	NT/EP/20016	NT/EP/22516	NT/EP/25016	NT/EP/27516	NT/EP/30016	NT/EP/35016	NT/EP/40016		NT/EP/45016
18 mm	NT/EP/20018	NT/EP/22518	NT/EP/25018	NT/EP/27518	NT/EP/30018	NT/EP/35018	NT/EP/40018	NT/EP/45018	
20 mm	NT/EP/20020	NT/EP/22520	NT/EP/25020	NT/EP/27520	NT/EP/30020	NT/EP/35020	NT/EP/40020	NT/EP/45020	
22 mm	NT/EP/20022	NT/EP/22522	NT/EP/25022	NT/EP/27522	NT/EP/30022	NT/EP/35022	NT/EP/40022	NT/EP/45022	
24 mm	NT/EP/20024	NT/EP/22524	NT/EP/25024	NT/EP/27524	NT/EP/30024	NT/EP/35024	NT/EP/40024	NT/EP/45024	
26 mm	NT/EP/20026	NT/EP/22526	NT/EP/25026	NT/EP/27526	NT/EP/30026	NT/EP/35026	NT/EP/40026	NT/EP/45026	
28 mm	NT/EP/20028	NT/EP/22528	NT/EP/25028	NT/EP/27528	NT/EP/30028	NT/EP/35028	NT/EP/40028	NT/EP/45028	
30 mm	NT/EP/20030	NT/EP/22530	NT/EP/25030	NT/EP/27530	NT/EP/30030	NT/EP/35030	NT/EP/40030	NT/EP/45030	
32 mm		NT/EN/22532	NT/EP/25032	NT/EP/27532	NT/EP/30032	NT/EP/35032	NT/EP/40032	NT/EP/45032	
34 mm		NT/EP/22534	NT/EP/25034	NT/EP/27534	NT/EP/30034	NT/EP/35034	NT/EP/40034	NT/EP/45034	
36 mm		NT/EP/22536	NT/EP/25036	NT/EP/27536	NT/EP/30036	NT/EP/35036	NT/EP/40036	NT/EP/45036	
38 mm		NT/EP/22538	NT/EP/25038	NT/EP/27538	NT/EP/30038	NT/EP/35038	NT/EP/40038	NT/EP/45038	
40 mm			NT/EP/25040	NT/EP/27540	NT/EP/30040	NT/EP/35040	NT/EP/40040	NT/EP/45040	
42 mm			NT/EP/25042	NT/EP/27542	NT/EP/30042	NT/EP/35042	NT/EP/40042	NT/EP/45042	
46 mm			NT/EP/25046	NT/EP/27546	NT/EP/30046	NT/EP/35046	NT/EP/40046	NT/EP/45046	
48 mm				NT/EP/27548	NT/EP/30048	NT/EP/35048	NT/EP/40048	NT/EP/45048	
50 mm				NT/EP/27550	NT/EP/30050	NT/EP/35050	NT/EP/40050	NT/EP/45050	
54 mm				NT/EP/27554	NT/EP/30054	NT/EP/35054	NT/EP/40054	NT/EP/45054	

****Specifications and dimensions will be customized according to customer needs.**



For all Newtech Medical Devices Products

Kindly scan



Manufacturer :

Newtech Medical Devices Pvt. Ltd.

14/5, Mathura Road, Faridabad,

Haryana- 121003 (INDIA).

stent@ntmdevices.com

Mfg. Lic. No. :MFG/MD/2023/000475

Doc. No. : NTM/CT/QA/S/006 Rev. No. 02

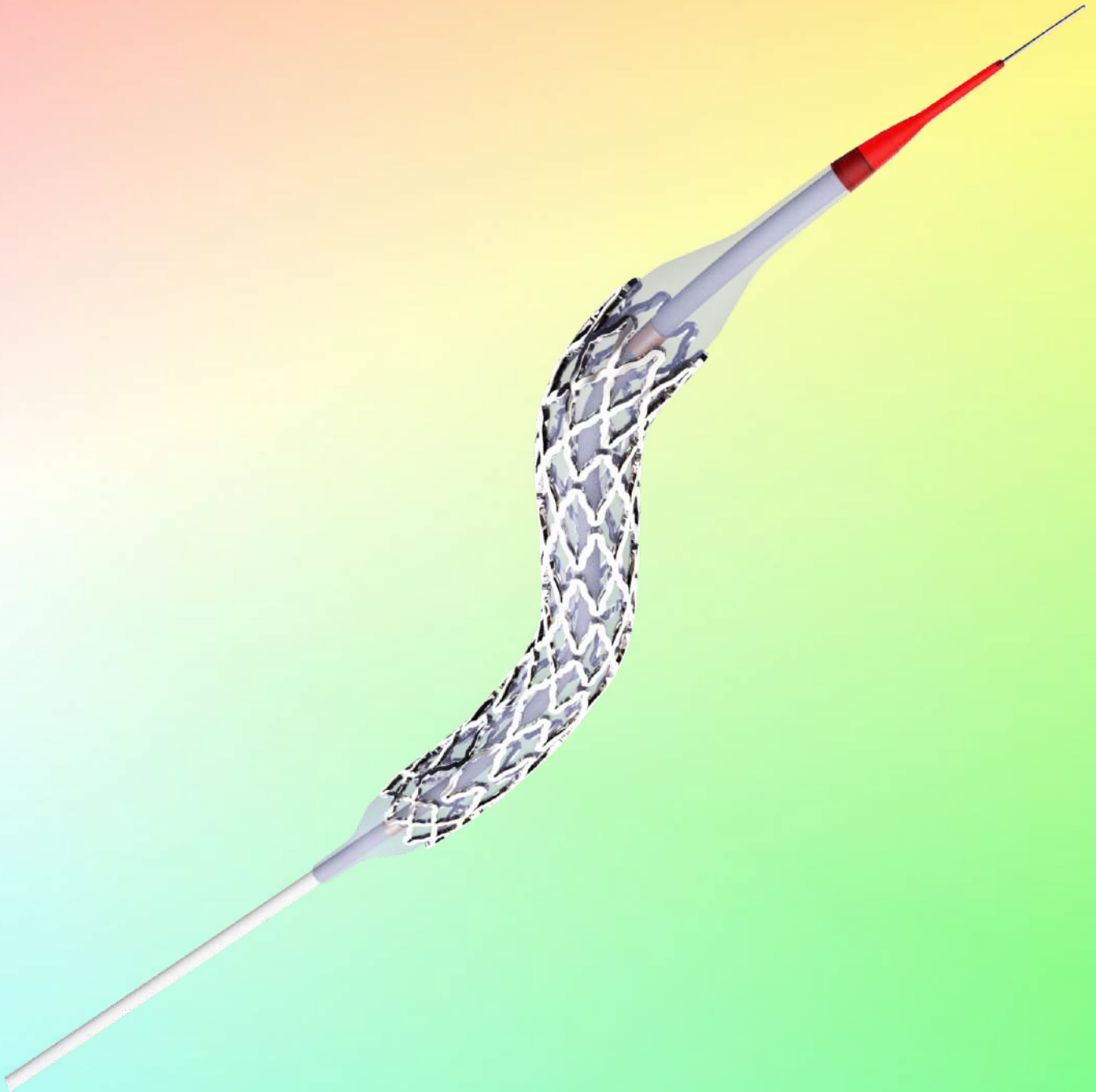
www.ntmdevices.com



From Indigenous Idea to Newtech Solution

InsistentTM

With Biodegradable Polymer



Sirolimus Eluting Coronary Stent System

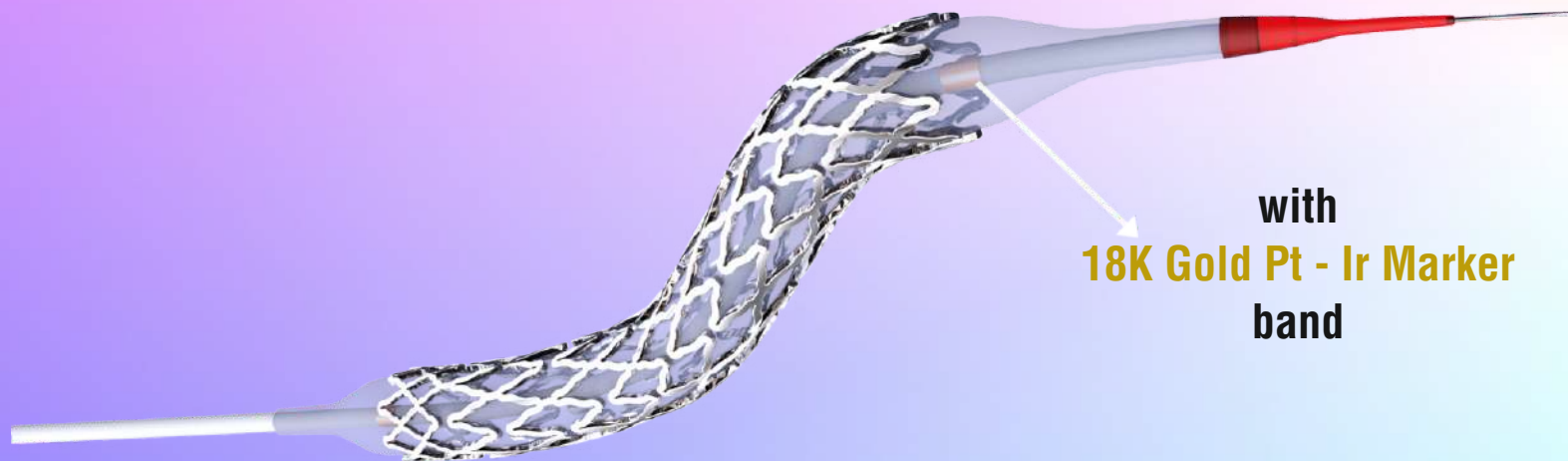
www.ntmdevices.com

InsistentTM

Sirolimus Eluting Coronary Stent System

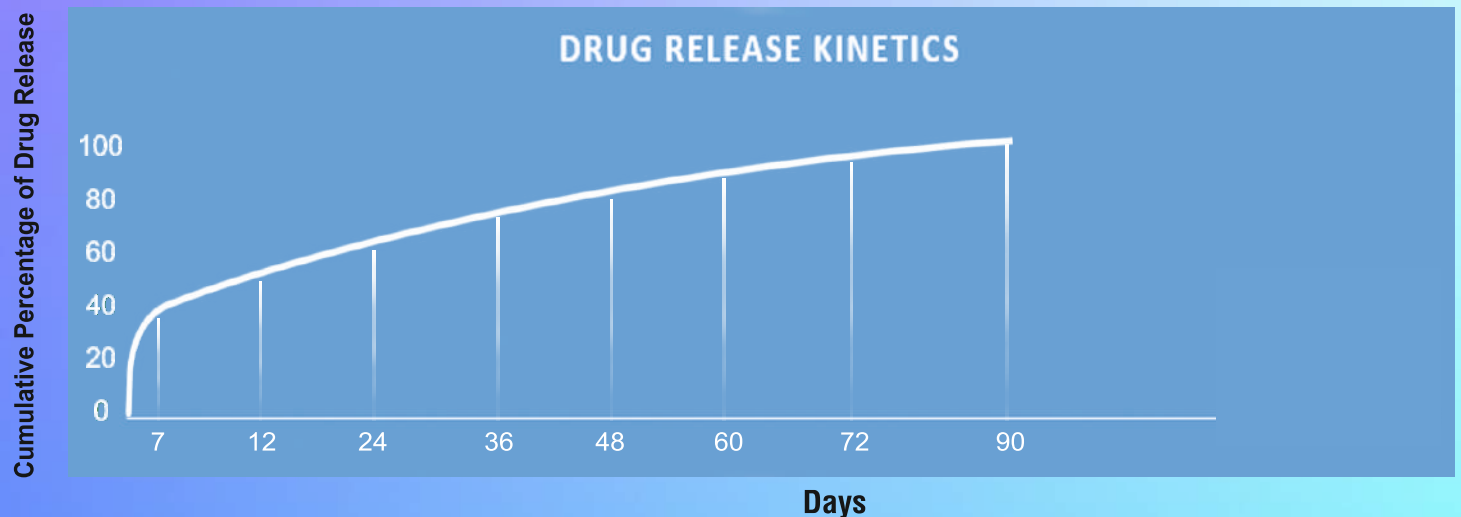
Device Component Description:

Stent Material	Medical Grade Cobalt Chromium (L605), laser cut seamless tubing with biodegradable polymer and Sirolimus mixture.
Delivery System Usable Length	140cm
Delivery System Adaptor Ports	Single access port to the inflation/deflation lumen. A guidewire exit port is located at 25cm from the tip. Designed for guidewire 0.014" (0.36mm).
Stent Delivery Balloon	Nylon balloon, nominally NMT 0.5mm over hang to stent length and location is defined by radio opaque GOLD 18K/Pt-Ir marker at proximal and distal end of stent.
Balloon Inflation Pressure	Nominal inflation pressure : 8atm - Vessel 2.00-3.00, Length 8-30mm 9atm - Vessel 2.25-3.00, Length 34-54mm 9atm - Vessel 3.50-4.50, Length 8-54mm Rated burst pressure: 16 atm.
Guiding Catheter Inner Diameter	≥5 Fr(1.4mm) Compatible
Guide Wire	0.014 inch
Strut Thickness (um)	65
Polymer Bio-Degradation	100% in 90 Days
Pushability and Trackability	Excellent
Stent Recoil	<6%
Foreshortening	<2%
Stent architecture	Hybrid Cell Design with Non-Linear links



Proven Drug Release Kinetics

Insistent has proven drug release kinetics Initial Release of 30% to 40% Sirolimus in the first week followed by sustained release upto 90 days to maintain therapeutic sirolimus drug concentration to optimize the anti tissue proliferative action.



InsistentTM

Sirolimus Eluting Coronary Stent System

The Insistent Sirolimus eluting stent system is a combination product comprised of two regulated components : a device (a coronary stent system) and a drug product (a formulation of Sirolimus contained in a polymer coating) pre mounted on balloon catheter between two GOLD 18K/ Pt - Ir radio opaque marker bands.

Stent Diameter (measured at 37.5 ° C tolerance $\pm$ 0.10 mm)

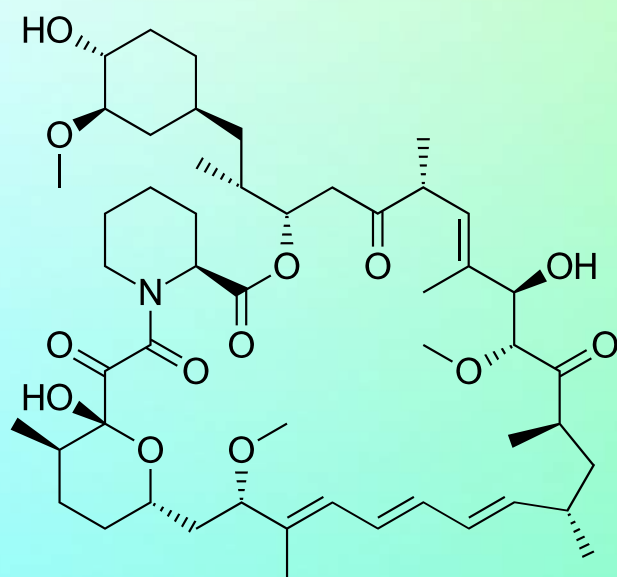
Pressure Bar	2.00mm	2.25mm	2.50mm	2.75mm	3.00mm	3.50mm	4.00mm	4.50mm
6	1.85mm	2.10 mm	2.35 mm	2.60 mm	2.80 mm	3.39 mm	3.85 mm	4.30 mm
7	1.90mm	2.15 mm	2.40 mm	2.65 mm	2.90 mm	3.42 mm	3.89 mm	4.40 mm
8*	1.95mm	2.23 mm	2.49 mm	2.75 mm	2.99 mm	3.45 mm	3.92 mm	4.42 mm
9**	2.00mm	2.25 mm	2.51 mm	2.78 mm	3.02 mm	3.48 mm	3.96 mm	4.45 mm
10	2.04mm	2.28 mm	2.54 mm	2.80 mm	3.04 mm	3.56 mm	4.10 mm	4.55 mm
11	2.08mm	2.30 mm	2.59 mm	2.86 mm	3.10 mm	3.62 mm	4.12 mm	4.58 mm
12	2.12mm	2.32 mm	2.62 mm	2.89 mm	3.14 mm	3.66 mm	4.16 mm	4.60 mm
13	2.15mm	2.35 mm	2.65 mm	2.92 mm	3.18 mm	3.70 mm	4.20 mm	4.65 mm
14	2.18mm	2.39 mm	2.67 mm	2.95 mm	3.20 mm	3.74 mm	4.24 mm	4.68 mm
15	2.20mm	2.41 mm	2.70 mm	2.98 mm	3.22 mm	3.78 mm	4.27 mm	4.72 mm
16***	2.22mm	2.43 mm	2.72 mm	3.01 mm	3.26 mm	3.80 mm	4.30 mm	4.75 mm
17	2.24mm	2.45 mm	2.75 mm	3.04 mm	3.30 mm	3.82 mm	4.32 mm	4.78 mm
18	2.25mm	2.47 mm	2.79 mm	3.08 mm	3.35 mm	3.86 mm	4.36 mm	4.81 mm
20	2.26mm	2.48 mm	2.81 mm	3.12 mm	3.40 mm	3.89 mm	4.40 mm	4.85 mm

*Nominal Pressure {
 *8atm - Vessel 2.00-3.00, length 8 - 30 mm
 **9atm - vessel 2.25 - 3.00, length 34 - 54 mm
 **9atm - Vessel 3.50 - 4.50, length 8 - 54 mm

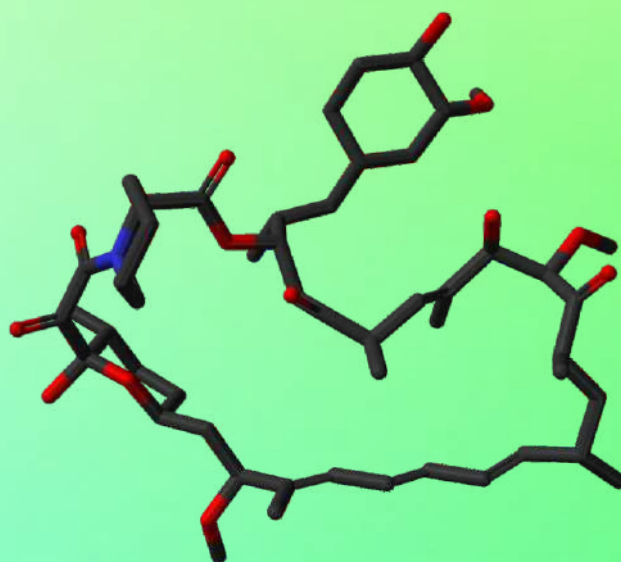
*** Rated Burst Pressure.

Drug Component Description

Insistent Sirolimus stent is coating consists of a blend of sirolimus drug (the active ingredient) and biodegradable polymers (the inactive ingredient). Sirolimus is a Macrocyclic lactone produced by streptomyces hygroscopicus. The chemical name of sirolimus (also known as rapamycin) is (1R,9S,12S,15R,16E,18R,21R,23S,24E,26E,28E,30S,32S,35R)-1,18-dihydroxy-12-[(2R)-1-[(1S,3R,4R)-4-hydroxy-3-methoxycyclohexyl]propan-2-yl], 30-dimethoxy-15,17,21,23,29,35-hexamethyl-11,36-dioxo-4-azatricyclohexatriaconta-16,24,26,28-tetraene-2,3,10,14,20-pentone. Its molecular formula is C₅₁H₇₉NO₁₃ and its molecular weight is 914.2.



Structural formula of sirolimus



3D Stick model

InsistentTM

Sirolimus Eluting Coronary Stent System

Ordering Information

NT/IS/22508

Length of Stent

Diameter of stent is 2.25 mm

IS is Insistent Stent

NT is Newtech Medical Device

Stent Diameter	2.00 mm	2.25 mm	2.50 mm	2.75 mm	3.00 mm	3.50 mm	4.00 mm	4.50 mm
Length								
08 mm	NT/IS/20008	NT/IS/22508	NT/IS/25008	NT/IS/27508	NT/IS/30008	NT/IS/35008	NT/IS/40008	
12 mm	NT/IS/20012	NT/IS/22512	NT/IS/25012	NT/IS/27512	NT/IS/30012	NT/IS/35012	NT/IS/40012	
14 mm	NT/IS/20014	NT/IS/22514	NT/IS/25014	NT/IS/27514	NT/IS/30014	NT/IS/35014	NT/IS/40014	NT/IS/45014
16 mm	NT/IS/20016	NT/IS/22516	NT/IS/25016	NT/IS/27516	NT/IS/30016	NT/IS/35016	NT/IS/40016	NT/IS/45016
18 mm	NT/IS/20018	NT/IS/22518	NT/IS/25018	NT/IS/27518	NT/IS/30018	NT/IS/35018	NT/IS/40018	NT/IS/45018
20 mm	NT/IS/20020	NT/IS/22520	NT/IS/25020	NT/IS/27520	NT/IS/30020	NT/IS/35020	NT/IS/40020	NT/IS/45020
22 mm	NT/IS/20022	NT/IS/22522	NT/IS/25022	NT/IS/27522	NT/IS/30022	NT/IS/35022	NT/IS/40022	NT/IS/45022
24 mm	NT/IS/20024	NT/IS/22524	NT/IS/25024	NT/IS/27524	NT/IS/30024	NT/IS/35024	NT/IS/40024	NT/IS/45024
26 mm	NT/IS/20026	NT/IS/22526	NT/IS/25026	NT/IS/27526	NT/IS/30026	NT/IS/35026	NT/IS/40026	NT/IS/45026
28 mm	NT/IS/20028	NT/IS/22528	NT/IS/25028	NT/IS/27528	NT/IS/30028	NT/IS/35028	NT/IS/40028	NT/IS/45028
30 mm	NT/IS/20030	NT/IS/22530	NT/IS/25030	NT/IS/27530	NT/IS/30030	NT/IS/35030	NT/IS/40030	NT/IS/45030
32 mm		NT/IS/22532	NT/IS/25032	NT/IS/27532	NT/IS/30032	NT/IS/35032	NT/IS/40032	NT/IS/45032
34 mm		NT/IS/22534	NT/IS/25034	NT/IS/27534	NT/IS/30034	NT/IS/35034	NT/IS/40034	NT/IS/45034
36 mm		NT/IS/22536	NT/IS/25036	NT/IS/27536	NT/IS/30036	NT/IS/35036	NT/IS/40036	NT/IS/45036
38 mm		NT/IS/22538	NT/IS/25038	NT/IS/27538	NT/IS/30038	NT/IS/35038	NT/IS/40038	NT/IS/45038
40 mm			NT/IS/25040	NT/IS/27540	NT/IS/30040	NT/IS/35040	NT/IS/40040	NT/IS/45040
42 mm			NT/IS/25042	NT/IS/27542	NT/IS/30042	NT/IS/35042	NT/IS/40042	NT/IS/45042
46 mm			NT/IS/25046	NT/IS/27546	NT/IS/30046	NT/IS/35046	NT/IS/40046	NT/IS/45046
48 mm			NT/IS/27548	NT/IS/30048	NT/IS/35048	NT/IS/40048	NT/IS/45048	
50 mm			NT/IS/27550	NT/IS/30050	NT/IS/35050	NT/IS/40050	NT/IS/45050	
54 mm			NT/IS/27554	NT/IS/30054	NT/IS/35054	NT/IS/40054	NT/IS/45054	

****Specifications and dimensions will be customized according to customer needs.**

For all Newtech Medical Devices Products

Kindly scan



Manufacturer :

Newtech Medical Devices Pvt. Ltd.

14/5 Mathura Road, Faridabad, Haryana 121003, INDIA.

stent@ntmdevices.com

www.ntmdevices.com

Mfg Lic. No. MFG/MD/2023/000475

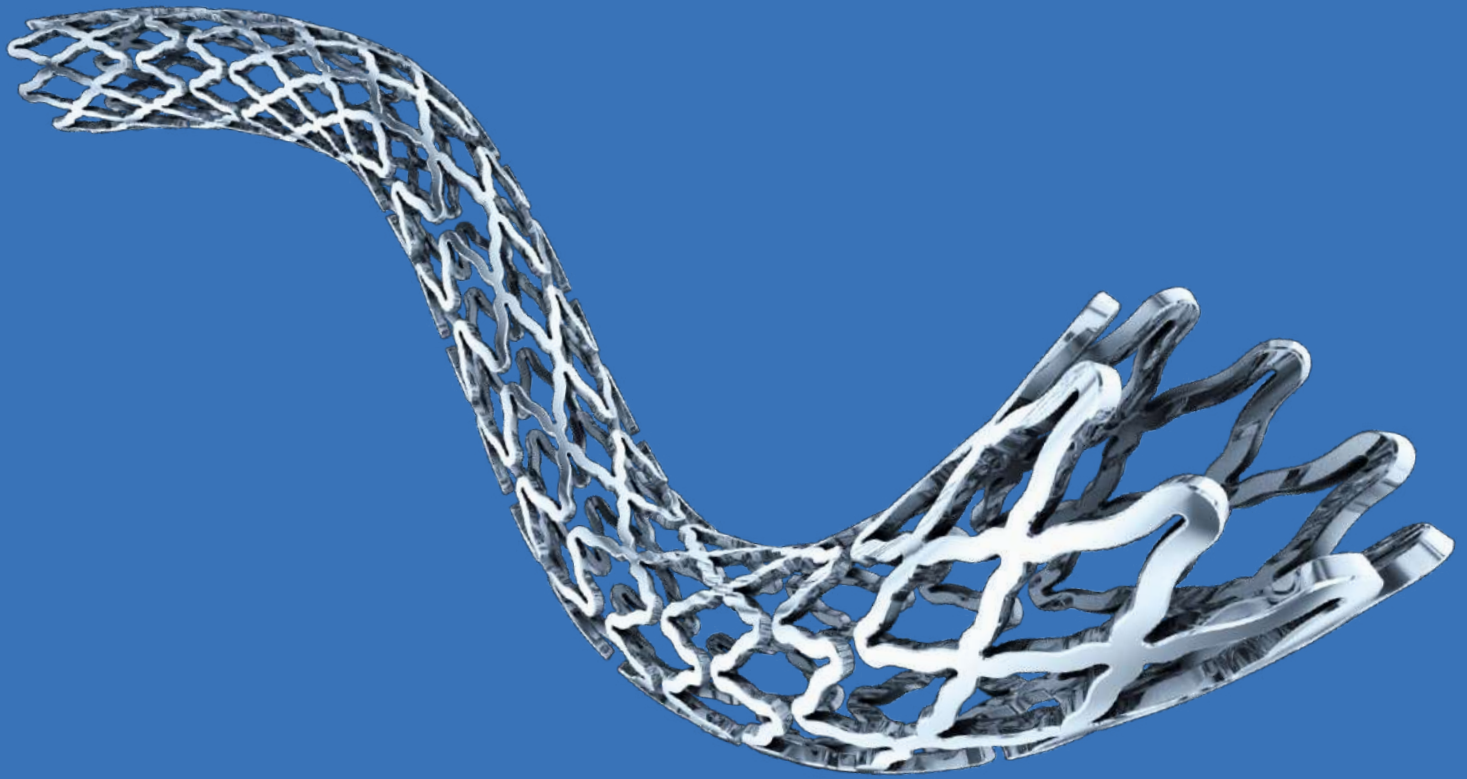
Doc. No. : NTM/CT/QA/S/003 Rev. No. 02

www.ntmdevices.com



From Indigenous Idea to Newtech Solution

Koronar™



Sirolimus Eluting Coronary Stent System

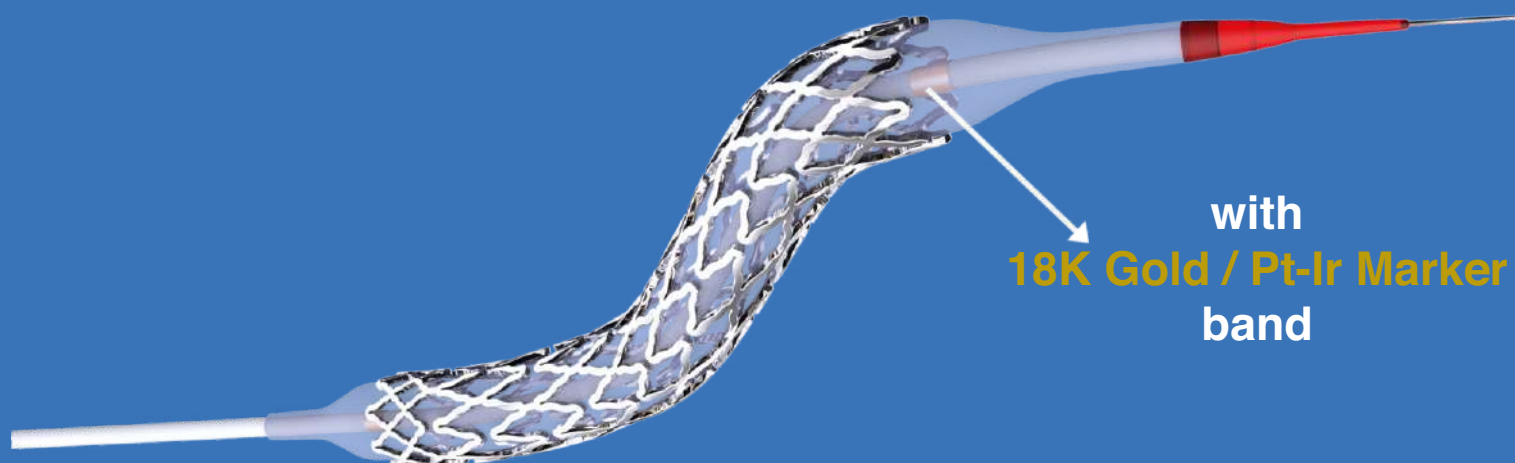
www.ntmdevices.com

Koronar™

Sirolimus Eluting Coronary Stent System

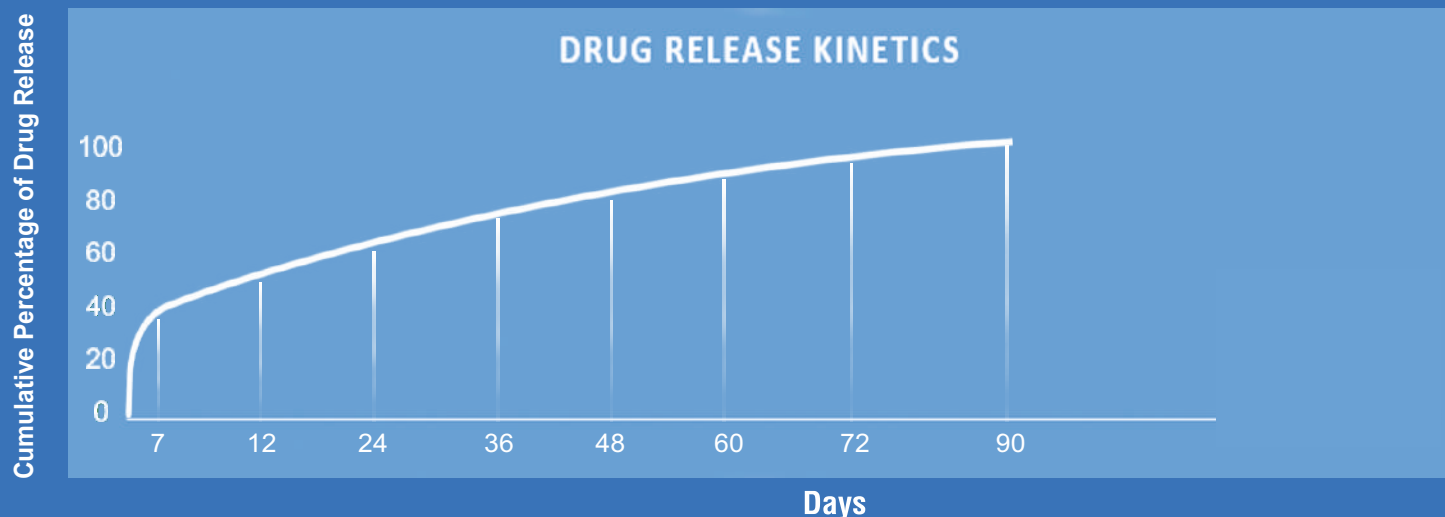
Device Component Description.

Stent Material	Medical Grade Cobalt Chromium (L605), laser cut seamless tubing with biodegradable polymer and Sirolimus mixture.
Delivery System Usable Length	140cm
Delivery System Adaptor Ports	Single access port to the inflation/deflation lumen. A guidewire exit port is located at 25cm from the tip. Designed for guidewire 0.014" (0.36mm).
Stent Delivery Balloon	Nylon balloon, nominally N.M.T. 0.5mm over hang to stent length and location is defined by radio opaque GOLD 18K/Pt-Ir marker at proximal and distal end of stent.
Balloon Inflation Pressure	Nominal inflation pressure : 8atm - Vessel 2.00-3.00, Length 8-30mm 9atm - Vessel 2.25-3.00, Length 34-54mm 9atm - Vessel 3.50-4.50, Length 8-54mm Rated burst pressure: 16 atm.
Guiding Catheter Inner Diameter	≥5 Fr(1.4mm) Compatible
Guide Wire	0.014 inch
Strut Thickness (um)	55 ± 5 micron
Polymer Bio-Degradation	100% 12-13 Weeks
Pushability and Trackability	Excellent
Stent Recoil	<6%
Foreshortening	<2%
Stent architecture	Hybrid Cell Design with Non-Linear links



Proven Drug Release Kinetics

Koronar has proven drug release kinetics Initial Release of 30% to 40% Sirolimus in the first week followed by sustained release upto 90 days to maintain therapeutic sirolimus drug concentration to optimize the anti tissue proliferative action.



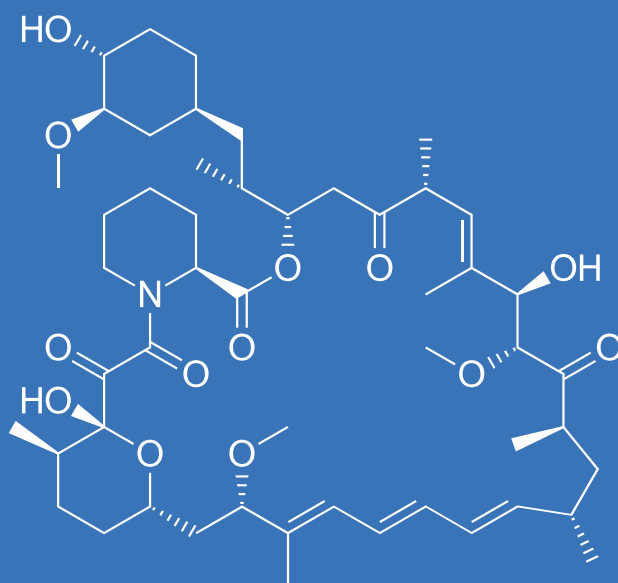
Koronar™

Sirolimus Eluting Coronary Stent System

The Koronar Sirolimus eluting stent system is a combination product comprised of two regulated components : a device (a coronary stent system) and a drug product (a formulation of Sirolimus contained in a polymer coating) pre mounted on balloon catheter between two GOLD 18K/ Pt - Ir radio opaque marker bands.

Drug Component Description.

Koronar Sirolimus stent is coating consists of a blend of sirolimus drug (the active ingredient) and biodegradable polymers (the inactive ingredient). Sirolimus is a Macrocyclic lactone produced by *streptomyces hygroscopicus*. The chemical name of sirolimus (also known as rapamycin) is (1R,9S,12S,15R,16E,18R,21R,23S,24E,26E,28E,30S,32S,35R)-1,18-dihydroxy-12-[(2R)-1-[(1S,3R,4R)-4-hydroxy-3-methoxycyclohexyl]propan-2-yl], 30-dimethoxy-15,17,21,23,29,35-hexamethyl-11,36-dioxa-4-azatricyclohexatriaconta-16,24,26,28-tetraene-2,3,10,14,20-pentone Its molecular formula is C₅₁H₇₉NO₁₃ and its molecular weight is 914.2.



Stent diameters (measured at 37.5° C tolerances $\pm$ 0.10mm)

Pressure Bar	2.00mm	2.25mm	2.50mm	2.75mm	3.00mm	3.50mm	4.00mm	4.50mm
4	1.9mm	2.00 mm	2.30 mm	2.54 mm	2.75 mm	3.30 mm	3.80 mm	4.25 mm
6	2.00mm	2.10 mm	2.35 mm	2.60 mm	2.80 mm	3.39 mm	3.85 mm	4.30 mm
7	2.10mm	2.15 mm	2.40 mm	2.65 mm	2.90 mm	3.42 mm	3.89 mm	4.40 mm
8*	2.15 mm	2.23 mm	2.49 mm	2.75 mm	2.99 mm	3.45 mm	3.92 mm	4.42 mm
9**	2.23mm	2.25 mm	2.51 mm	2.78 mm	3.02 mm	3.48 mm	3.96 mm	4.45 mm
10	2.26mm	2.28 mm	2.54 mm	2.80 mm	3.04 mm	3.56 mm	4.10 mm	4.55 mm
11	2.28mm	2.30 mm	2.59 mm	2.86 mm	3.10 mm	3.62 mm	4.12 mm	4.58 mm
12	2.30mm	2.32 mm	2.62 mm	2.89 mm	3.14 mm	3.66 mm	4.16 mm	4.60 mm
13	2.32mm	2.35 mm	2.65 mm	2.92 mm	3.18 mm	3.70 mm	4.20 mm	4.65 mm
14	2.35mm	2.39 mm	2.67 mm	2.95 mm	3.20 mm	3.74 mm	4.24 mm	4.68 mm
15	2.39mm	2.41 mm	2.70 mm	2.98 mm	3.22 mm	3.78 mm	4.27 mm	4.72 mm
16***	2.41mm	2.43 mm	2.72 mm	3.01 mm	3.26 mm	3.80 mm	4.30 mm	4.75 mm
17	2.43mm	2.45 mm	2.75 mm	3.04 mm	3.30 mm	3.82 mm	4.32 mm	4.78 mm
18	2.45mm	2.47 mm	2.79 mm	3.08 mm	3.35 mm	3.86 mm	4.36 mm	4.81 mm
20	2.47mm	2.48 mm	2.81 mm	3.12 mm	3.40 mm	3.89 mm	4.40 mm	4.85 mm

*Nominal Pressure ; *8atm - Vessel 2.00-3.00, length 8 - 30 mm

**9atm - vessel 2.25 - 3.00, length 34 - 54 mm

**9atm - Vessel 3.50 - 4.50, length 8 - 54 mm

*** Rated Burst Pressure.

Koronar™

Sirolimus Eluting Coronary Stent System

Ordering Information

NT/KS/22508

Length of Stent

Diameter of stent is 2.25 mm

KS is Koronar Stent

NT is Newtech Medical Device

Stent Diameter	2.00 mm	2.25 mm	2.50 mm	2.75 mm	3.00 mm	3.50 mm	4.00 mm	4.50 mm
Length								
08 mm	NT/KS/20008	NT/KS/22508	NT/KS/25008	NT/KS/27508	NT/KS/30008	NT/KS/35008	NT/KS/40008	
12 mm	NT/KS/20012	NT/KS/22512	NT/KS/25012	NT/KS/27512	NT/KS/30012	NT/KS/35012	NT/KS/40012	
14 mm	NT/KS/20014	NT/KS/22514	NT/KS/25014	NT/KS/27514	NT/KS/30014	NT/KS/35014	NT/KS/40014	NT/KS/45014
16 mm	NT/KS/20016	NT/KS/22516	NT/KS/25016	NT/KS/27516	NT/KS/30016	NT/KS/35016	NT/KS/40016	NT/KS/45016
18 mm	NT/KS/20018	NT/KS/22518	NT/KS/25018	NT/KS/27518	NT/KS/30018	NT/KS/35018	NT/KS/40018	NT/KS/45018
20 mm	NT/KS/20020	NT/KS/22520	NT/KS/25020	NT/KS/27520	NT/KS/30020	NT/KS/35020	NT/KS/40020	NT/KS/45020
22 mm	NT/KS/20022	NT/KS/22522	NT/KS/25022	NT/KS/27522	NT/KS/30022	NT/KS/35022	NT/KS/40022	NT/KS/45022
24 mm	NT/KS/20024	NT/KS/22524	NT/KS/25024	NT/KS/27524	NT/KS/30024	NT/KS/35024	NT/KS/40024	NT/KS/45024
26 mm	NT/KS/20026	NT/KS/22526	NT/KS/25026	NT/KS/27526	NT/KS/30026	NT/KS/35026	NT/KS/40026	NT/KS/45026
28 mm	NT/KS/20028	NT/KS/22528	NT/KS/25028	NT/KS/27528	NT/KS/30028	NT/KS/35028	NT/KS/40028	NT/KS/45028
30 mm	NT/KS/20030	NT/KS/22530	NT/KS/25030	NT/KS/27530	NT/KS/30030	NT/KS/35030	NT/KS/40030	NT/KS/45030
32 mm		NT/KS/22532	NT/KS/25032	NT/KS/27532	NT/KS/30032	NT/KS/35032	NT/KS/40032	NT/KS/45032
34 mm		NT/KS/22534	NT/KS/25034	NT/KS/27534	NT/KS/30034	NT/KS/35034	NT/KS/40034	NT/KS/45034
36 mm		NT/KS/22536	NT/KS/25036	NT/KS/27536	NT/KS/30036	NT/KS/35036	NT/KS/40036	NT/KS/45036
38 mm		NT/KS/22538	NT/KS/25038	NT/KS/27538	NT/KS/30038	NT/KS/35038	NT/KS/40038	NT/KS/45038
40 mm			NT/KS/25040	NT/KS/27540	NT/KS/30040	NT/KS/35040	NT/KS/40040	NT/KS/45040
42 mm			NT/KS/25042	NT/KS/27542	NT/KS/30042	NT/KS/35042	NT/KS/40042	NT/KS/45042
46 mm			NT/KS/25046	NT/KS/27546	NT/KS/30046	NT/KS/35046	NT/KS/40046	NT/KS/45046
48 mm				NT/KS/27548	NT/KS/30048	NT/KS/35048	NT/KS/40048	NT/KS/45048
50 mm				NT/KS/27550	NT/KS/30050	NT/KS/35050	NT/KS/40050	NT/KS/45050
54 mm				NT/KS/27554	NT/KS/30054	NT/KS/35054	NT/KS/40054	NT/KS/45054

****Specifications and dimensions will be customized according to customer needs.**

For all Newtech Medical Devices Products

Kindly scan



Manufacturer :

Newtech Medical Devices Pvt. Ltd.

14/5 Mathura Road Faridabad,

Haryana- 121003 (INDIA).

stent@ntmdevices.com

Mfg Lic. No. MFG/MD/2023/000475

Doc. No. : NTM/CT/QA/S/002 Rev. No. 01

www.ntmdevices.com