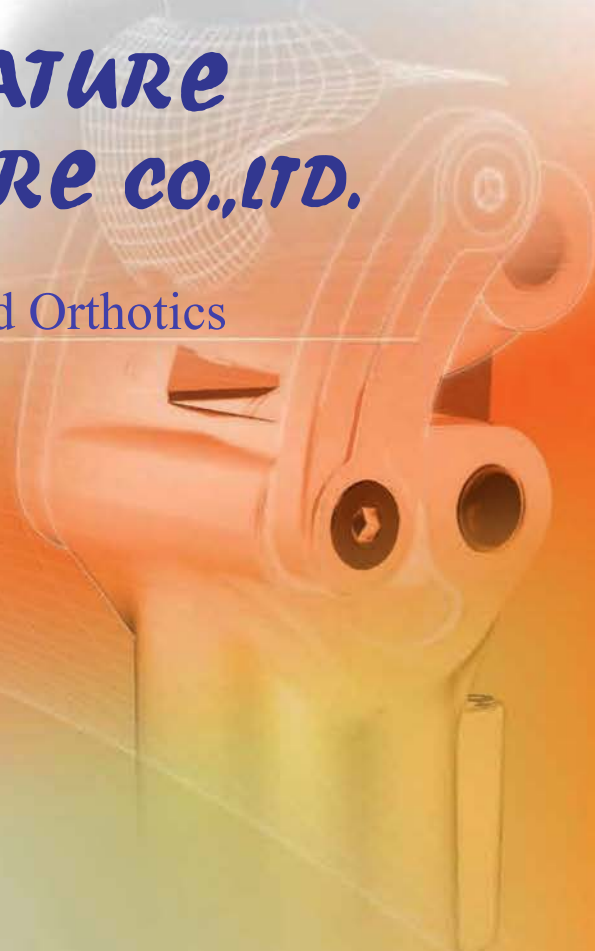




บริษัท ชัน เนเจอร์ แคร่ จำกัด

SUN *NATURE*
CARE co., LTD.

Prosthetics and Orthotics



KK-100 / KK-102

Polycentric Child Knee Joint / With Lock



KK-100



KK-102

Features:

- Friction Swing Control
- Extension Spring Adjustment
- Stability Adjustment
- Adjustable Manual Lock
- Free Motion Setting Available

Accessory:



Pyramid Adapter
Item No. KPA-19



3 Prong Socket Adapter
Item No. KPA-16



60 kg
132 lb

Technical Data

Technical Data	KK-100	KK-102
Material	Aluminum	Aluminum
Amputation Level	Above-Knee / Trans-Femoral	Above-Knee / Trans-Femoral
Overall Height	110mm	110mm
Product Weight	285g	310g
Flexion Angle	145°	145°

KK-D200

Knee Joint With Extension Assist



Features:

- Extension Assist
- Weight Activated Stance Control
- Brake Sensitivity Adjustment
- Smooth Swing

Accessory:



Rope Set
Item No. AG026P



Extension Assist
Item No. 833-007-TF



125 kg
275 lb

Technical Data

Article No#	KK-D200
Material	Stainless Steel
Amputation Level	Above-Knee / Trans-Femoral
Overall Height	75.7mm
Product Weight	528g
Flexion Angle	140°

KK-700A1 / KK-701

Polycentric Adult Hip Joint / Child Hip Joint

KK-700A1

KK-701



Features:

- Friction Adjustment
- Extension Spring Adjustment
- Stability Adjustment
- Child Tube Diameter 22mm

Accessory:



Lamination Plate
Item No. KPA-02
(Adult)



Lamination Plate
Item No. KPA-45
(Child)

* Black (KK-700) and Silver (KK-700A1) Color Available



100 kg
220 lb



60 kg
132 lb

Technical Data

Article No#	KK-700A1	KK-701
Material	Aluminum	Aluminum
Amputation Level	Hip Disarticulation	Hip Disarticulation
Overall Height	169mm	146mm
Product Weight	450g	337g
Flexion Angle	140°	110°

KK-S250

Monocentric Brake Knee Joint With Stance Flexion and Manual Lock



Features:

- Stance Flexion Control
- Weight Activated Stance Control
- Brake Adjustment
- Extension Spring Adjustment
- Stability Adjustment
- Flexion can be initiated with load on forefoot
- Adjustable Manual Lock
- Free Motion Setting Available



125 kg
275 lb

Technical Data

Material	Aluminum
Amputation Level	Above-Knee / Trans-Femoral
Overall Height	115mm
Product Weight	555g
Flexion Angle	145°
Stance Flexion Angle	5°

KK-550 / KK-552

Pneumatic Polycentric Knee Joint

KK-550



KK-552



Features:

- Extension / Flexion Adjustment
- Pneumatic Swing Phase Control
- Extension Assist
- Adjustable Stability Control

Accessory:



3 Prong Socket Adapter
Item No. KPA-09A



100 kg
220 lb

Technical Data

	KK-550	KK-552
Material	Aluminum	Aluminum
Amputation Level	Knee Disarticulation / Long Above-Knee	Above-Knee / Trans-Femoral
Overall Height	157mm	166mm
Product Weight	666g	688g
Flexion Angle	135°	135°

KK-700A1 / KK-701

Polycentric Adult Hip Joint / Child Hip Joint

KK-700A1

KK-701



Features:

- Friction Adjustment
- Extension Spring Adjustment
- Stability Adjustment
- Child Tube Diameter 22mm

Accessory:



Lamination Plate
Item No. KPA-02
(Adult)



Lamination Plate
Item No. KPA-45
(Child)

* Black (KK-700) and Silver (KK-700A1) Color Available



100 kg
220 lb



60 kg
132 lb

Technical Data

Article No#	KK-700A1	KK-701
Material	Aluminum	Aluminum
Amputation Level	Hip Disarticulation	Hip Disarticulation
Overall Height	169mm	146mm
Product Weight	450g	337g
Flexion Angle	140°	110°

Adapter



Item No	KPA-02
Name	Lamination Plate for KK-700
Material	Steel
Weight	376 g
Note	Screw Torque M8=20Nm



Item No	KPA-03
Name	L-Bracket
Material	Steel
Weight	147 g
Note	Screw Torque M8=16Nm



Item No	KPA-04D
Name	Socket Adapter (Adjustable)
Material	Aluminum
Weight	132 g
Note	Screw Torque M6=16Nm / M8=15Nm



Item No	KPA-05
Name	Pyramid Adapter
Material	Aluminum + Steel
Weight	53 g
Note	For KK-500 / KK-800



Item No	KPA-07 / KPA-07T
Name	Knee Rotator
Material	S.Steel / Titanium
Weight	KPA-07: 292 g / KPA-07T: 192 g
Note	Screw Torque M8=15Nm Weight Load Limit: 100kg

Adapter



Item No	KPA-09A
Name	3 Prong Socket Adapter
Material	Steel
Weight	99 g
Note	Screw Torque M5=8Nm



Item No	KPA-09S (KPA-09A+KPA-21S)
Name	Female 3 Prong Socket Adapter
Material	Steel
Weight	150 g
Note	Screw Torque M5=8Nm / M8=15Nm



Item No	KPA-10 / KPA-10A / KPA-10S / KPA-12
Name	Pyramid Adapter
Material	Aluminum & Steel
Weight	KPA-10: 73 g & KPA-12: 72 g
Note	- Screw Torque M10=20Nm - Item No. with "A" is silver color. - Item No. with "S" is waterproof.



Item No	KPA-11 / KPA-11S / KPA-28 / KPA-34
Name	L-Bracket Receiver
Material	Titanium
Weight	KPA-11: 72 g & KPA-34: 70 g KPA-28: 66 g
Note	- Screw Torque M10=20Nm - Item No. with "S" is waterproof.



Item No	KPA-13
Name	Socket Adapter
Material	Aluminum
Weight	137 g
Note	Screw Torque M8=15Nm / M10=20Nm

Adapter



Item No	KPB-B08
Name	Socket Adapter With Pyramid
Material	Stainless Steel
Weight	74 g
Note	



Item No	KPB-A08 / KPB-A08S
Name	Socket Adapter With Pyramid Receiver
Material	Aluminum / Stainless Steel
Weight	124 g
Note	Screw Torque M8=15Nm



Item No	KPB-16 / KPB-16-01
Name	Adult/Child Angled Tube Clamp Adapter
Material	Aluminum
Weight	126 g / 98 g
Note	- 12° / 10° - Screw Torque M6=12Nm / M8=15Nm



Item No	KPB-18
Name	Socket Adapter W/Pyramid Receiver
Material	Aluminum
Weight	189 g
Note	Screw Torque M8=15Nm / M10=20Nm



Item No	KPB-20
Name	Torsion Tube Clamp Adapter
Material	Aluminum
Weight	352 g
Note	Screw Torque M6=12Nm

Adapter



Item No	KPB-25
Name	Sliding Tube Clamp Adapter
Material	Aluminum
Weight	154 g
Note	Screw Torque M6=12Nm (for tube clamp) / M6=18Nm / M8=15Nm



Item No	KPB-26F
Name	Socket Adapter w/ Tube Clamp
Material	Aluminum
Weight	163 g
Note	Screw Torque M6=12Nm / M10=20Nm



Item No	KPB-35
Name	Tube Clamp Adapter
Material	Aluminum
Weight	91 g
Note	- for tube O.D. ϕ 30mm - Screw Torque M6=12Nm / M8=15Nm



Item No	KPB-47
Name	Female Pyramid Tube Clamp
Material	Aluminum
Weight	100 g
Note	- 5mm Offset, for tube O.D. ϕ 30mm - Screw Torque M6=12Nm / M8=15Nm



Item No	KPB-48
Name	Female Pylon
Material	Aluminum
Weight	90 g
Note	- 5mm Offset, Tube Length 45mm - Screw Torque M8=15Nm

Lock



Item No	KPB-30
Name	Clutch Lock
Material	Aluminum / Steel
Weight	466 g (dummy included)
Note	



Item No	KPB-31
Name	Lanyard Lock
Material	Aluminum / Steel
Weight	504 g (dummy included)
Note	



Item No	KPB-32-1
Name	Shuttle Lock
Material	Steel / Plastic
Weight	82 g
Note	



Item No	KPB-33
Name	Pyramid adapter for KPB-32-1
Material	Aluminum / Steel
Weight	75 g
Note	



Item No	KPB-57
Name	Shuttle Lock
Material	Steel / Aluminum
Weight	198 g
Note	

Ankle



Item No	KPC-03
Name	SACH Ankle W/Tube Clamp
Material	Aluminum
Weight	140 g
Note	For Sach Foot Screw Torque M6=12Nm



Item No	KPC-04
Name	SACH Ankle W/Pyramid
Material	Aluminum / Steel
Weight	111 g
Note	For Sach Foot



Bumper Option :
KB-02 or KB-01



Item No	KPC-A05
Name	Single Axis Ankle W/Tube Clamp
Material	Aluminum / Steel
Weight	214 g
Note	For Single Axis Foot Screw Torque M6=12Nm



Bumper Option :
KB-02 or KB-01



Item No	KPC-06A
Name	Single Axis Ankle W/Pyramid
Material	Aluminum / Steel
Weight	220 g
Note	For Single Axis Foot

Foot (made in China)



Item No	KFT-01
Name	Single Axis Foot
Material	PU
Weight	433 g (Size 25)
Note	Size: 21~30



Child: 12~17



Adult: 21~28

Item No	KFT-02
Name	SACH Foot
Material	PU
Weight	483 g (Size 25)
Note	Size: Child 12~17, Adult 21~28 Thread: M10



Item No	KFT-03
Name	Foot Cover
Material	PU
Weight	248 g (Size 25)
Note	Size : 22~27, Split Toe

KFT-06__

KFT-06__-1



Item No	KFT-06/ KFT-06-1
Name	SACH Foot
Material	PU
Weight	483 g (Size 25)
Note	Size: Child 15~20, Adult 21~30 Thread: M10 Split Toe



Item No	KFT-07
Name	Foot Cover
Material	PU
Weight	180 g (Size 22)
Note	Size: 22~27

Foot (made in China)



Item No	KFT-09
Name	Pirogoff Foot with Textile
Material	PU
Weight	360 g (Size 25)
Note	Size: 22~28



Item No	KFT-09-1
Name	Pirogoff Foot without Textile
Material	PU
Weight	360 g (Size 25)
Note	Size: 22~28



Item No	830-1E20
Name	Adult Dynamic Foot w/ Adapter 830-2N02B
Material	PU/ Stainless Steel
Weight	670 g (Size 25)
Note	Size: 21~27

Tube and Tube Adapter



Item No	KP-08A / KP-16A
Name	Tube
Material	Aluminum
Weight	200mm = 115 g / 400mm = 234 g
Note	O.D.30mm Color Options: A=Green, E=Silver, F=Black



Item No	KPM-08C / KPM-16C
Name	Tube With Pyramid Receiver
Material	Aluminum
Weight	200mm = 199 g / 400mm = 315 g
Note	O.D.30mm Screw Torque M8=15Nm



Item No	KPM-08B / KPM-16B
Name	Tube With Ankle
Material	Aluminum
Weight	200mm = 247 g / 400mm = 349 g
Note	O.D.30mm For KFT-02 / KFT-06



Item No	KPM-08D
Name	Tube With Socket Adapter
Material	Aluminum
Weight	200mm = 234 g
Note	O.D.30mm Screw Torque M10=20Nm



Item No	KPM-08F / KPM-16F
Name	Tube With Pyramid Adapter
Material	Aluminum
Weight	200mm = 197 g / 400mm = 313 g
Note	O.D.30mm

Tube and Tube Adapter



Item No	KP-12B-01
Name	Child Tube
Material	Aluminum
Weight	300mm = 124 g
Note	OD.22mm



Item No	KPM-12B-01
Name	Child Tube With Ankle
Material	Aluminum
Weight	300mm = 186 g
Note	OD.22mm

Tube Deburring Tool



Item No	635-015-NA
Name	Tube Deburring Tool Inside/Outside
Material	Aluminum Tube+Steel Blade
Weight	202 g
Note	Size: 5/16"~1-1/2" (8~38mm) For Deburring Copper Tube / Aluminum Tube / Thin Wall Conduit

Sock



Item No	KCS-RA
Name	AK Ribbed Sock
Material	Nylon
Weight	27 g (38")
Note	Thick, Size: 35", 38",41"



Item No	KCS-SA-1
Name	AK Sheer Sock
Material	Nylon
Weight	23 g (38")
Note	Thin, Size: 35", 38", 41"



Item No	KCS-RB
Name	BK Ribbed Sock
Material	Nylon
Weight	14 g (18")
Note	Thick, Size: 18", 21",24", 30"



Item No	KCS-SB-1
Name	BK Sheer Sock
Material	Nylon
Weight	14 g (18")
Note	Thin, Size: 12", 15", 18", 21", 24", 30"

Valve



Item No	KV-05
Name	Screw Valve
Material	Aluminum + ABS
Weight	20 g
Note	



Item No	KV-06
Name	Connector Tube
Material	ABS
Weight	19 g
Note	For Hole Ø24mm



Item No	KV-07
Name	AK Screw Valve 3-pitch (Manual)
Material	Aluminum + Plastic
Weight	84 g (dummy included)
Note	Ø45mm

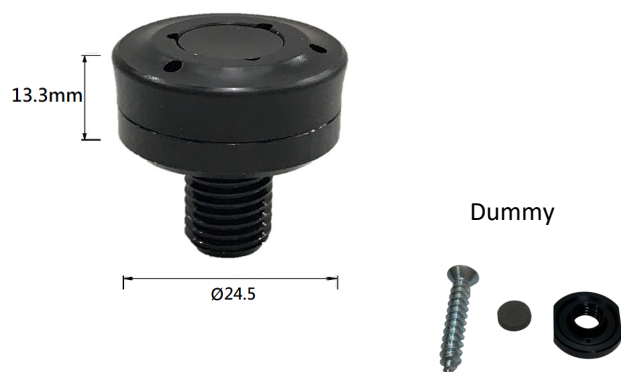


Item No	AG044
Name	Valve Ring 24mm
Material	ABS
Weight	2 g
Note	For KV-04A, KV-06, FRP Socket



Item No	AG045
Name	Valve Ring 30mm
Material	ABS
Weight	3 g
Note	For KV-01A, KV-03, FRP Socket

Valve



Item No	KV-10
Name	Auto Expulsive Valve
Material	Aluminum + Plastic
Weight	12.6 g
Note	φ 24.5mm

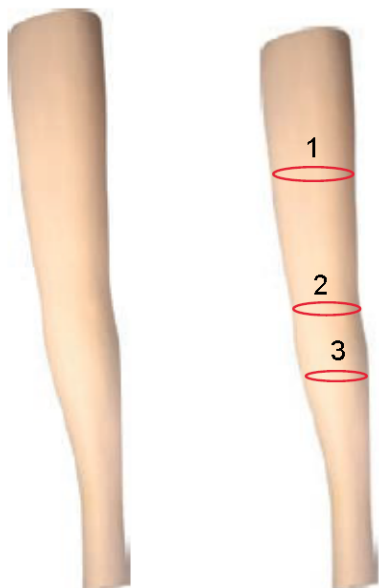


Item No	KV-11
Name	Auto Expulsive Screw Valve
Material	Aluminum + Plastic
Weight	98 g
Note	φ 45mm

Item No	
Name	
Material	
Weight	
Note	

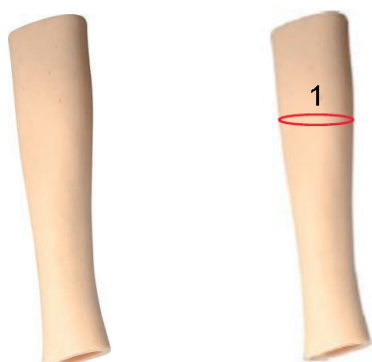
Item No	
Name	
Material	
Weight	
Note	

Foam Cover



Item No	KFC-01
Name	AK Foam Cover
Material	Rubber Foam
Weight	440 g
Note	Side : Left, Right Size : S, M, L

Size	Thigh Circum (cm) *1	Knee Circum (cm) *2	Calf Circum (cm) *3	Inner Tube Diameter (mm)
S	42	34	32	30
M	44	36	34	30
L	46	40	36	30



Item No	KFC-02
Name	BK Foam Cover
Material	Rubber Foam
Weight	132 g
Note	Size : S, M, L

Size	Calf Circum (cm) *1	Inner Tube Diameter (mm)
S	32	30
M	34	30
L	36	30

Material (made in Germany)



Item No	KFD-06
Name	soft plastic for inner socket
Material	PE (transparent)
Weight	1840 g
Note	400mmx400mmx12mm

Arm / Hand Components



Item No	KAE-01
Name	Elbow Joint
Material	Aluminum
Weight	210 g
Note	For Arm Socket And Hand Distal Thread: M12X1.5 (Item No. KAE-01-2 : distal thread 1/2"-20)



Item No	KAE-02
Name	Elbow Joint
Material	Aluminum
Weight	189 g
Note	For Hand And KTS-01 Distal Thread: M12X1.5 (Item No. KAE-02-2 : distal thread 1/2"-20)



Item No	KAE-03-1
Name	Modular Arm Components Kit
Material	Aluminum
Weight	308 g
Note	For Short Above-Elbow Residual Limb 7 Locking Positions Side: Left and Right Distal Thread: M12X1.5 (Item No. KAE-03-2 : distal thread 1/2"-20)



Item No	KAE-04-1P (=KAE-04-1_ + KTS-03)
Name	Modular Arm Component for Shoulder Disarticulation Kit
Material	Aluminum
Weight	373 g
Note	For Shoulder Disarticulation w/ Passive Elbow Lock 7 Locking Positions Side: Left and Right Distal Thread: M12X1.5 (Item No. KAE-04-2P : distal thread 1/2"-20)

Arm / Hand Components

KAE-05 KAE-05A



Item No	KAE-05 / KAE-05A
Name	Elbow Joint
Material	Plastic Shell + Aluminum Parts
Weight	355 g
Note	13 Locking Postions Distal Diameter: I.D.: 50.2mm/O.D.: 55mm



Item No	KBE-01
Name	Elbow Joint
Material	Aluminum
Weight	133 g
Note	For Elbow Joint And Hand Distal Thread: M12X1.5 (Item No. KBE-01-2 : distal thread 1/2"-20)



Item No	KTE-01
Name	Elbow Joint
Material	Aluminum
Weight	202 g
Note	For Arm Socket And Hand 3 Locking Positions Distal Thread: M12X1.5 (Item No. KTE-01-2 : distal thread 1/2"-20)



Item No	KTS-01
Name	Shoulder Joint
Material	Aluminum
Weight	100 g
Note	For S / D And KAE-02

Arm / Hand Components



Item No	KHD-03-3
Name	Mechanical Hand
Material	Aluminum + Plastic Shell
Weight	170 g (Size : S)
Note	Distal Thread: M12X1.5 (Item No. KHD-03-4: distal thread 1/2"-20) Size: S, L (Compatible with KHS-01 M/L) Side: Left and Right Nylon Cable: AD044LP (Left) / AD044RP (Right)



Item No	KHS-01
Name	Hand Cover
Material	PVC
Weight	141 g
Note	Side: Left And Right Size: S=7-1/4" , M=7-3/4" , L=8" Two Cable Exit Options: Inner Pull / Outer Pull(Standard)



Item No	KHD-04 / KHD-05 / KHD-08
Name	Wrist Connector
Material	Aluminum + Steel
Weight	KHD-04: 101g / O.D.: 48mm; KHD-05: 83g / O.D.: 42mm; KHD-08: 105g / O.D.: 50mm
Note	Three Insert Options: AB113P (M12x1.5P), AB060P (W1/2"x20T), AB114P (M12 x 1.75P)



Item No	KHD-06/KHD-09
Name	Wrist Connector
Material	Aluminum + Rubber Ring
Weight	KHD-06: 45g / O.D.: 42.00 mm KHD-09: 50g / O.D.: 50.00mm
Note	Distal Thread: M12X1.5 (Item No. KHD-06-2/KHD-09-2 : distal thread 1/2"-20)

Liner (made in Germany)



Item No	825-4U4021-10-G
Name	BK Silicone Locking Liner / Seamless
Material	Silicone
Weight	661 g (Size: 30)
Note	Size : 18~45 Color : Grey Matrix Length : 10cm Mobility Class : 2~4



Item No	825-4U4121-G
Name	Silicone Cushion Liner / Seamless
Material	Silicone
Weight	635 g (Size: 30)
Note	Size : 18~45 Color : Grey Matrix Length : 10cm Mobility Class : 2~4



Item No	825-4U4025-10-G/825-4U4065-10-G
Name	BK Silicone Locking Liner / Seamless
Material	Silicone Gel
Weight	493 g (Size: 30)
Note	Size : 18~45 Color : Grey Matrix Length : 10cm Mobility Class : 1~3 Liner Thickness 3mm:825-4U4025-10 Liner Thickness 6mm:825-4U4065-10



Item No	825-4U4125-G/825-4U4165-G
Name	BK Silicone Cushion Liner / Seamless
Material	Silicone Gel
Weight	482 g (Size: 30)
Note	Size : 18~45 Color : Grey Mobility Class : 1~3 Liner Thickness 3mm:825-4U4125 Liner Thickness 6mm:825-4U4165

Liner (made in Germany)



Item No	825-2021-TF
Name	AK Silicone Locking Liner
Material	Silicone
Weight	661 g (Size: 30)
Note	Size : 26.5~45 Color : Grey Mobility Class : 2~4



Item No	825-80
Name	BK Gel Suspension Sleeve
Material	Gel
Weight	334 g (Size: L)
Note	Size : XS~XXL Color : Blue(B), Titan(T), Skin-Color(H) Mobility Class : 1~3

Item No	
Name	
Material	
Weight	
Note	

Item No	
Name	
Material	
Weight	
Note	

Liner (made in Germany)



Item No	825-9000
Name	BK Gel Locking Liner
Material	Gel
Weight	639 g (Size:L, Thicknesses:6mm)
Note	Size : S~XXL Gel Thicknesses:3, 6, 9mm Mobility Class : 1~3



Item No	825-9500
Name	BK Gel Cushion Liner
Material	Gel
Weight	614 g (Size:L, Thicknesses:6mm)
Note	Size : S~XXL Gel Thicknesses:3, 6, 9mm Mobility Class : 1~3



Item No	825-1021-10
Name	Locking Liner No Fabric Cover (colorless)
Material	Silicone
Weight	600g (size: 30)
Note	Size : 16~45



Item No	825-1121
Name	Cushion Liner No Fabric Cover (colorless)
Material	Silicone
Weight	580g (size: 30)
Note	Size : 16~45

Foam Cover (made in China)



Item No	850-A1/FSBZ-148
Name	Foam Cover BK
Material	PE Foam
Weight	400 g
Note	160*160*480mm

Arm / Hand Components



Item No	KHS-04
Name	Silicone Cosmetic Glove w/ empty inside
Material	Silicone
Weight	190 g
Note	



Item No	KHS-04+KHD-07
Name	Silicone Cosmetic Glove w/ Insert
Material	Silicone
Weight	280 g
Note	