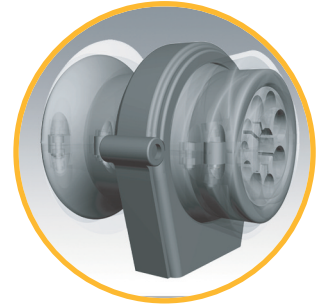
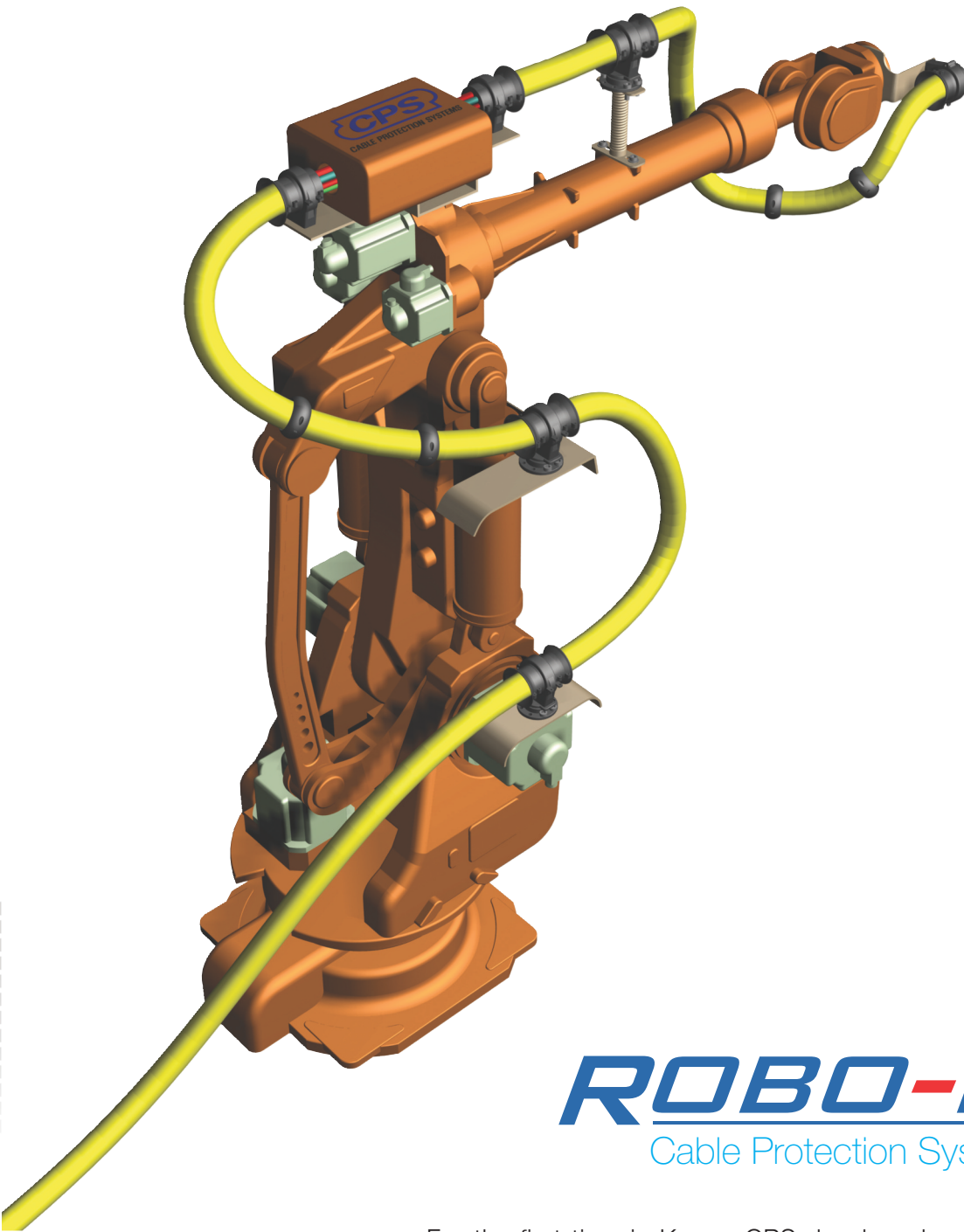


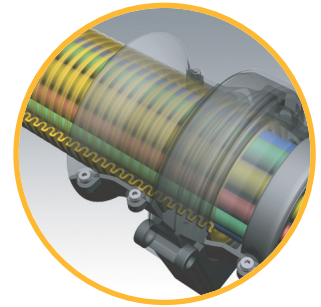
2014 GENERAL CATALOGUE
ROBO-KIT



RKC+RKS+RKSC+VCG



RKR+RKC+RKD

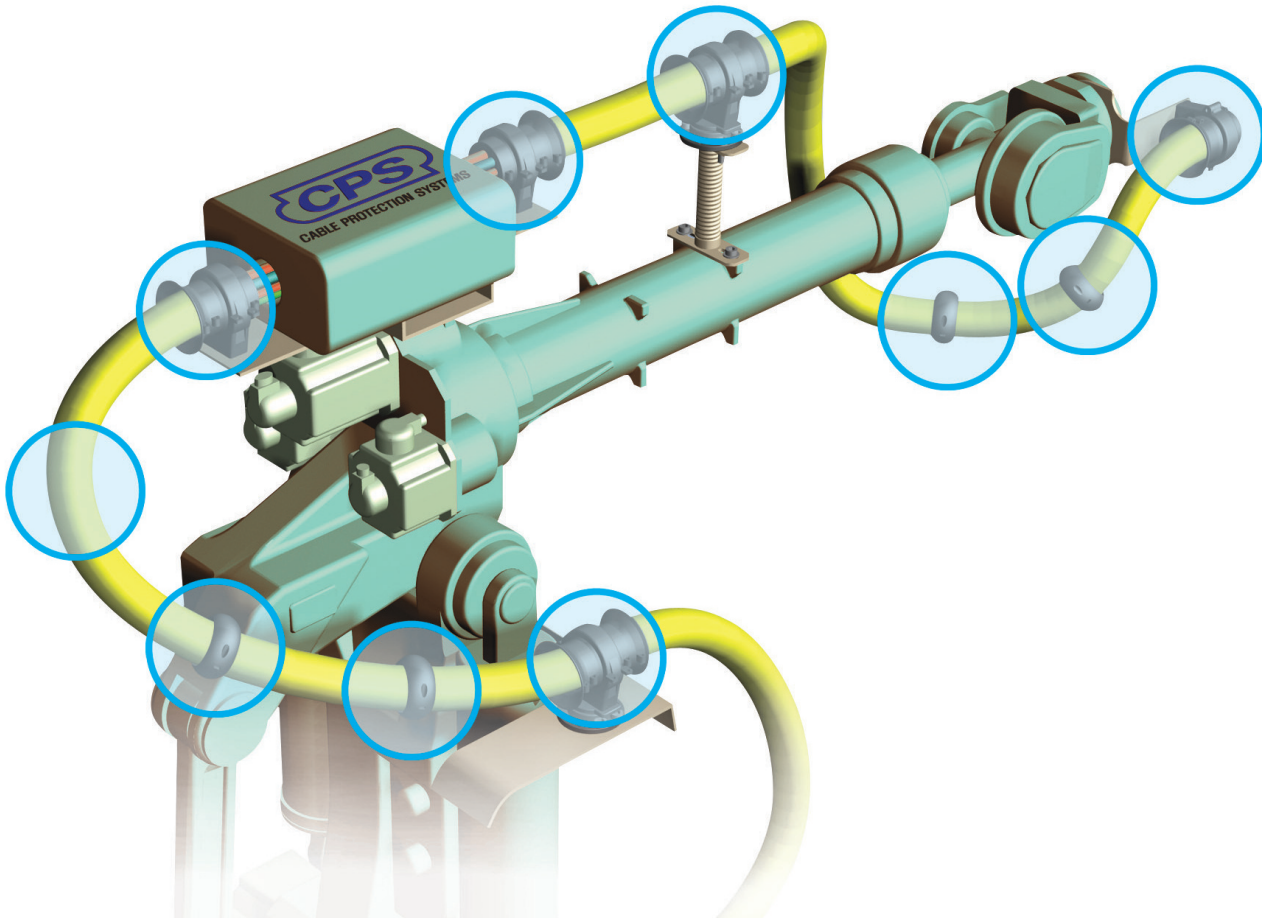
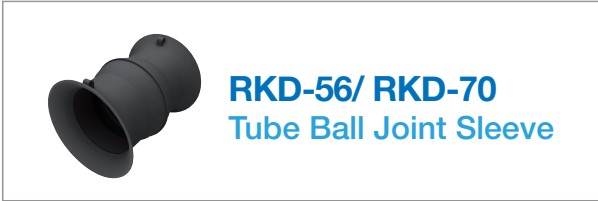
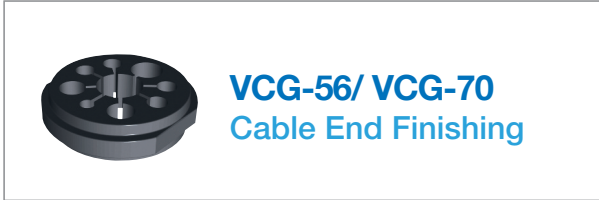
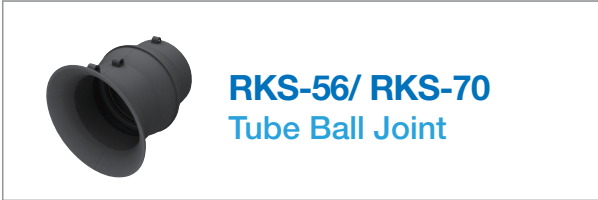
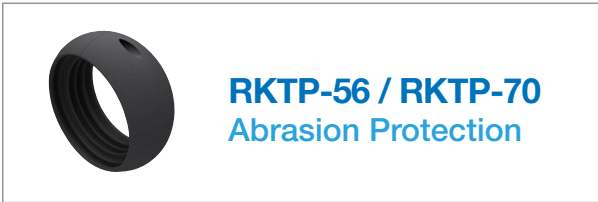


RKC+RKS+RKSC+VCG

ROBO-KIT

Cable Protection Systems For Robot!

For the first time in Korea, CPS developed new cable protection system, “**ROBO-KIT**” which is used in the robotic application and prevents the cables from twisting, damaging or breaking. In addition, as Robo-kit leads the movement of cables, it minimizes the friction and interference at the same time. It makes both lifespan of cable prolonged and robot move freely.





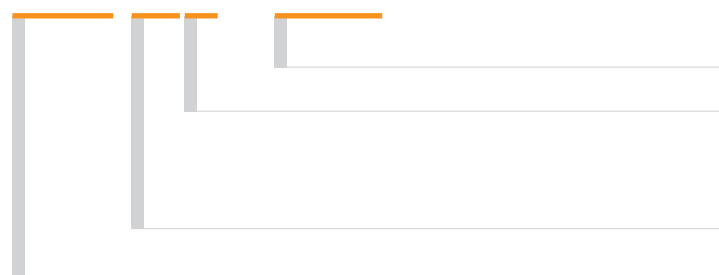
PRODUCT SIZE

Product	Order No.	Dimensions in mm				Outside Diameter
		Conduit Size	Width	Height	Length	
	RKTP	56	40.0	91.5	-	91.5
		70	45.0	105	-	105
	RKC	56	30.0	115	120.3	100
		70	34.0	138	145	126
	RKS	56	108	105.5	105.5	105.5
		70	132	120	120	120
	RKD	56	130	105.5	105.5	105.5
		70	154	120	120	120
	RKSC	56	20.6	68.3	-	68.3
		70	20.6	82	-	82
	RKR	56	98.0	42.0	-	98.0
		70	98.0	42.0	-	98.0
	VCG	56	20.6	64.1	-	64.1
		70	20.6	77.8	-	77.8
	CPSFLEX PAR 56 / 70	* You can find the details of CPSFLEX-PAR on p.405				



ORDERING

RKC 70B : 10EA



Q'ty(set)
 Color Y : Yellow
 B : Black
 U : U.V - Resistant, Black Only
 SIZE (56, 70)
ROBO-KIT
 RKC / RKD / RKTP / RKSC
 RKR / VCG / RKS

Black is the main color. Any color available based upon customers request

CPS CABLE CHAIN
 SHIF CHAIN
 SABIN CHAIN
 REVOLVING CHAIN
 HELIX CHAIN
 ROBO-KIT
 CPSFLEX
 CPSFIX



INSTRUCTIONS FOR THE INSTALLATION OF ROBO-KIT



RKTP-56 / RKTP-70

Abrasion Protection Connector

RKTP is made of reinforced Polyamid6. This unit is the insert of tube to protect from the abrasion, and prolongs the life time of tube. Also, it is detachable handily to make it easy to maintenance.



RKS-56 / RKS-70

CPSFLEX Ball Joint CPSFLEX

RKS in combination with RKC strengthens the flexibility on the head and specific parts of robot. It decreases the load from the mechanical strength.



RKD-56 / RKD-70

Tube Ball Joint Sleeve

RKD in combination with RKC is used for guiding or fixing tubes on robotic application. RKD decentralizes the mechanical stress on the tube.



VCG-56 / VCG-70

Cable End Finishing Connector

VCG is the unit for fixing the end part of cables. And it is inserted into RKC in combination with RKSC. It reduces the movement of cables and is comprised of diverse hole sizes according to the cables sizes.

INSTRUCTIONS FOR THE INSTALLATION OF ROBO-KIT



RKC-56 / RKC-70

CPSFLEX Clamps

RKC tube clamps in combination with RKD, RKS and RKRC, is used for guiding or fixing tubes in robotic application. And its solid design enables RKC to bear high mechanical strength.



RKSC-56 / RKSC-70

Strain Relief Insert

RKSC fixes VCG in the RKS and make it neat the end of cables. RKSC is available to be rotated in RKS so that it prevents for twisting cables.



RKR-56 / RKR-70

Rotating Connector

RKR in combination with RKC, reduces the mechanical stress on the robot and tube by rotating unit. RKR is used with RKD and RKS in combination.



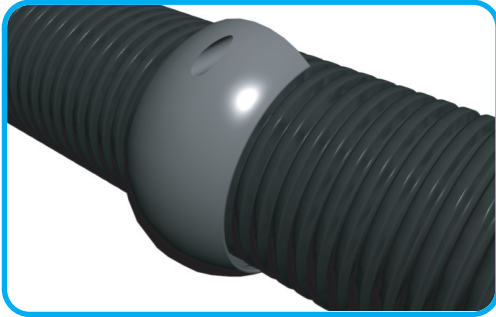
CPSFLEX-PAR 56 / 70

CPSFLEX

CPSFLEX PAR is made of high quality of Polyamid12 and especially applicable in Robot for the flexibility. It has IP68 protection approved. It can shorten the repairing time, since it is easy to cut off the length as needed.

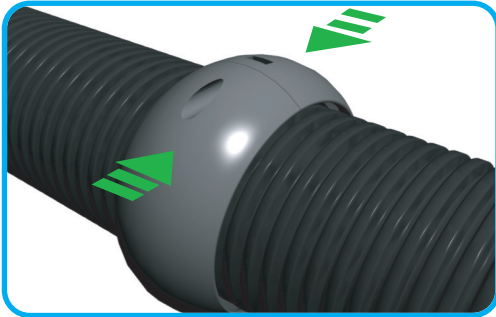


RKTP ASSEMBLY



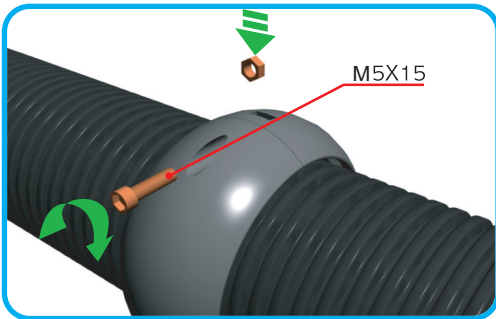
1.

RKTP is assembled by connecting the two half-circled guards.



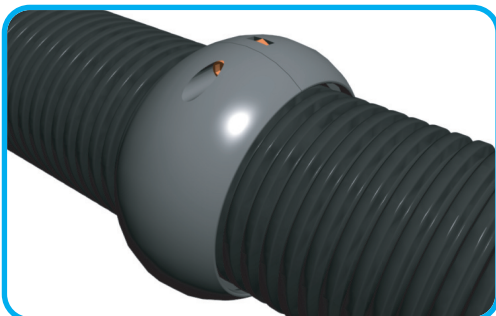
2.

Be sure to line up holes neatly for bolt insertion.



3.

Tighten the bolt after inserting nut as shown with allen wrench.



4.

All nuts and bolts are supplied with RKTP.



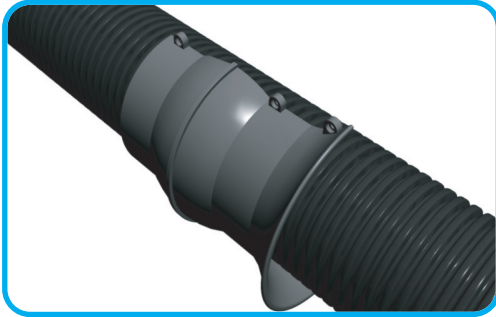
RoHS

CE

ASPA

IAF

RKS ASSEMBLY / RKS 조립방법



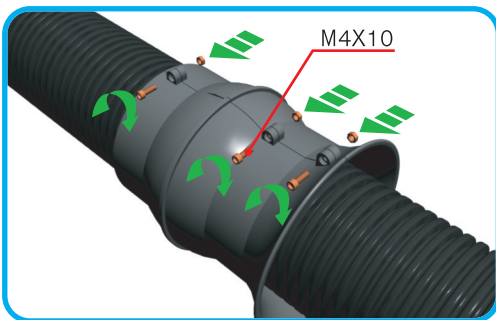
1.

When you've decided on a position, connect the grooves in RKS to the ones on the conduit as shown.



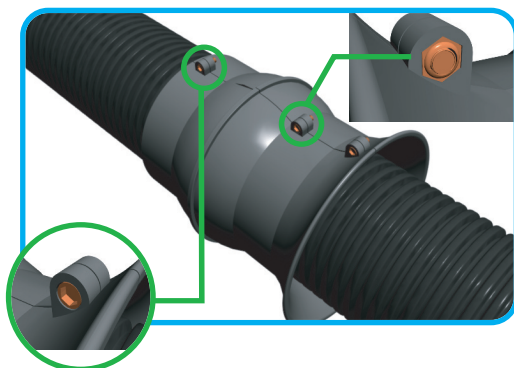
2.

Line up the holes after connecting both halves to ensure smooth bolt entry.



3.

Tighten bolt after inserting nut into engineered hole as shown with allen wrench.



4.

Be sure to insert the bolt and nut all the way into the hexagonal slots as this will ensure a tight seal.

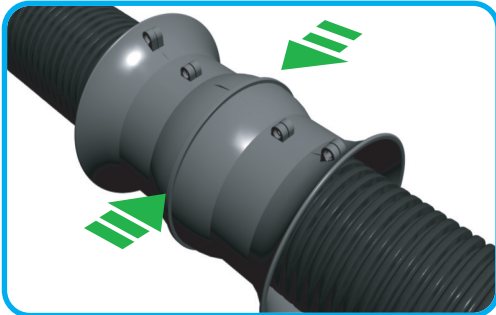


RKD ASSEMBLY



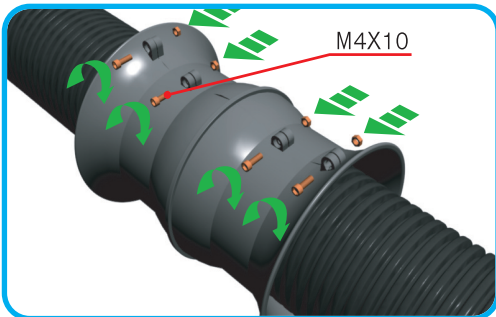
1.

When you've decided on a position, connect the grooves in RKS to the ones on the conduit as shown.



2.

Line up the holes after connecting both halves to ensure smooth bolt entry.



3.

Tighten bolt after inserting nut into engineered hole as shown with allen wrench.

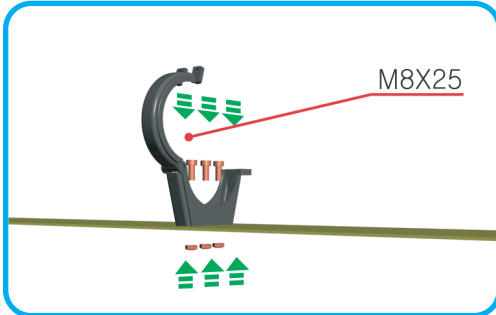


4.

Be sure to insert the bolt and nut all the way into the hexagonal slots as this will ensure a tight seal.

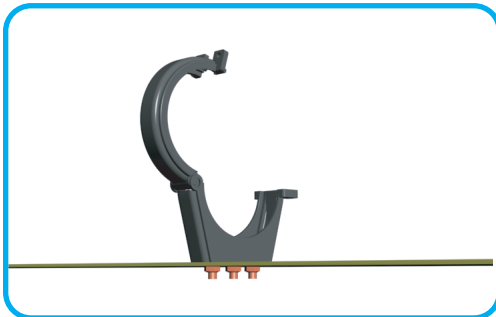


RKC+RKD ASSEMBLY



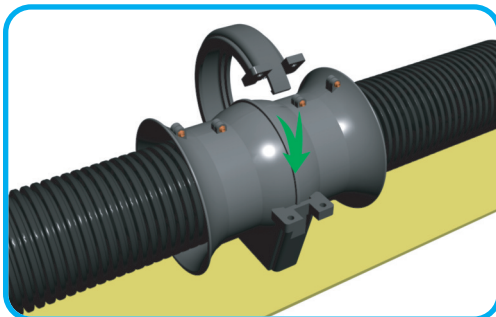
1.

Connect RKC directly to robot body or support, and fasten with bolts.



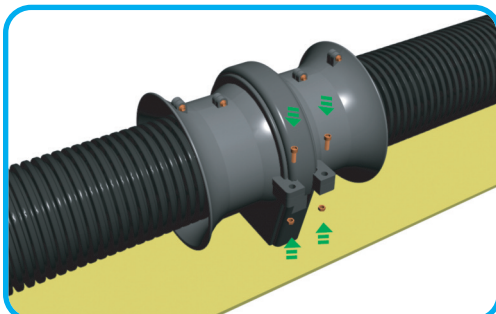
2.

Open the clip.



3.

After connecting RKD and RKS, insert then into the clip as shown.



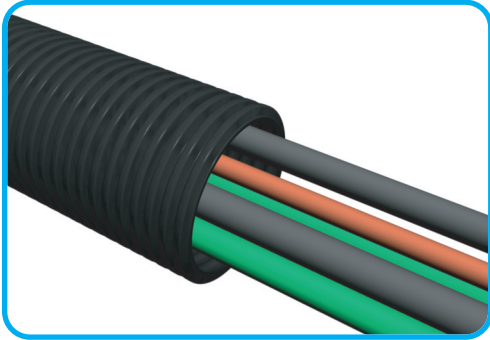
4.

Fasten the clip with bolts to ensure optimum protection.

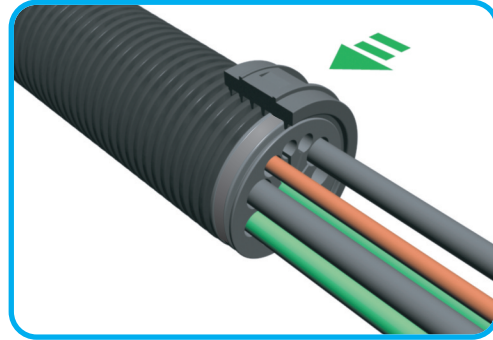


RKRC+VCG+RKC ASSEMBLY

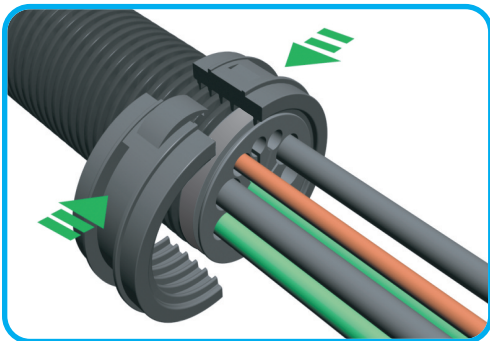
※ Old Type / 구형제품



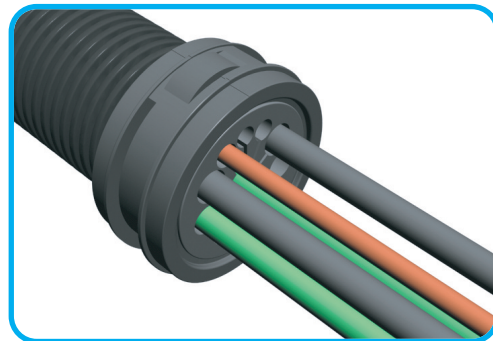
1.



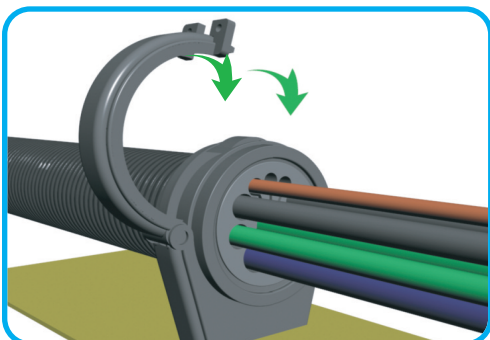
2. Orderly arrange cables into VCG.



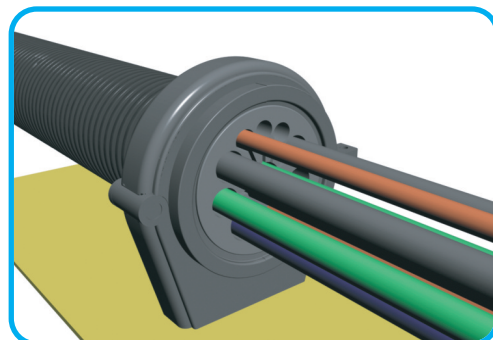
3. Connect with RKRC as above.



4. Can be easily connected without the use of any special tools.



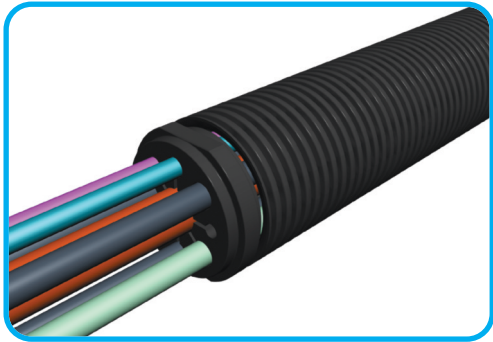
5. Connect RKC with the mounting clip.



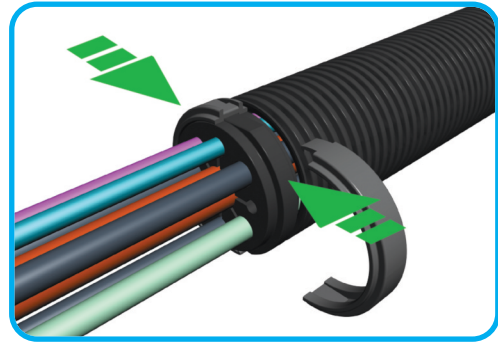
6. Complete.



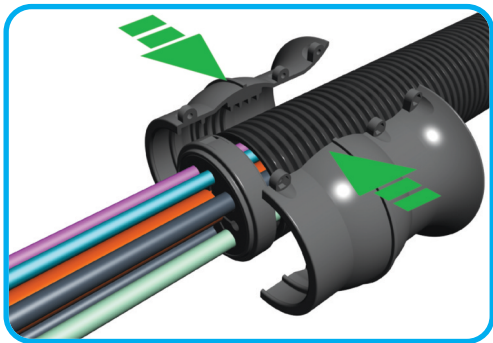
VCG+RKSC+RKS+RKC ASSEMBLY



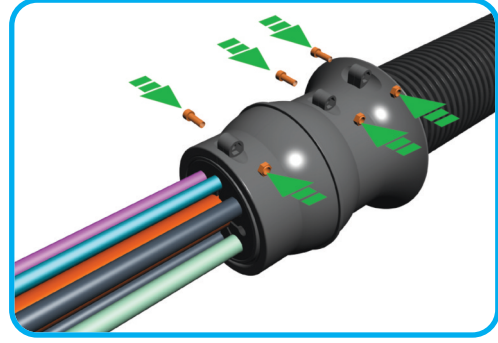
1. Insert cables as shown.



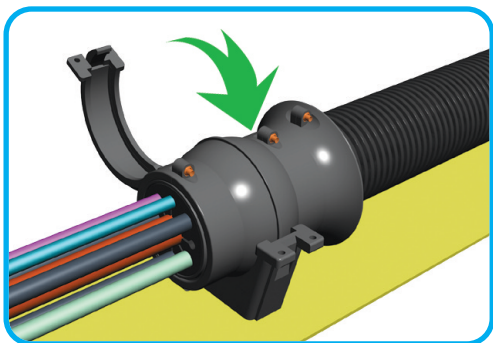
2. Assemble the VCG with RKSC.



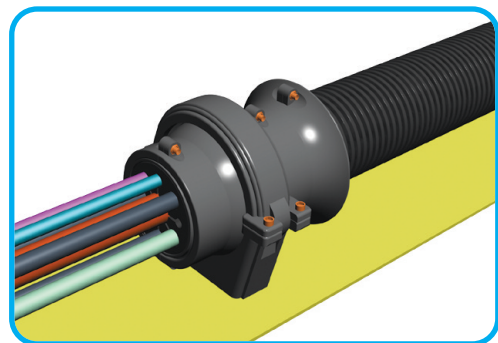
3. Assemble RKS with RKSC.



4. Assemble RKS completely with bolts and nuts.

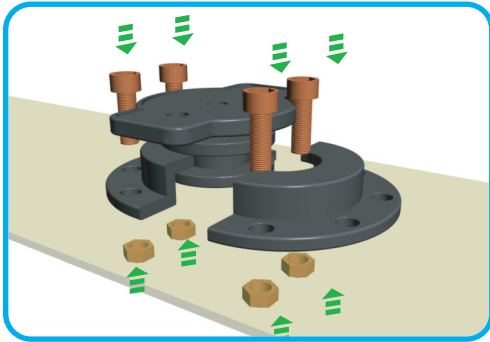


5. Assemble RKS completely with bolts and nuts.

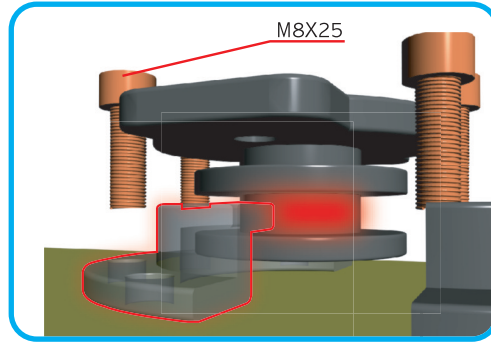


6. Complete.

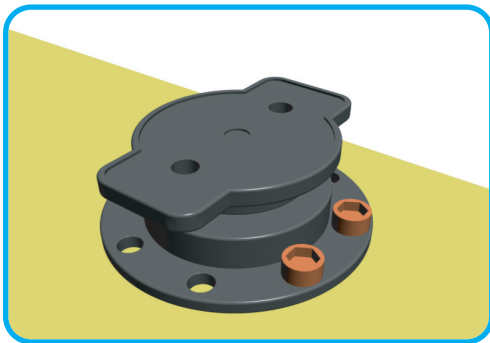
RKR+RKC+RKD ASSEMBLY



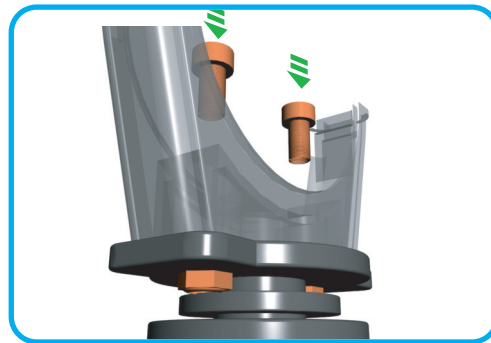
1. The size of RKR mold changes to correspond with size of robot.



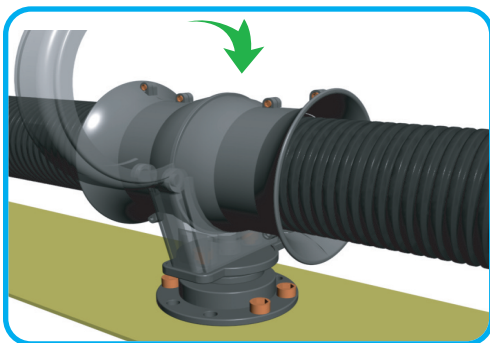
2. Connect the pieces as shown.



3.



5. In case of combination with RKC, connect the existing part of RKC.



4. In case of assembling with RKC, just follow previous process description.



6. Complete.