











Robo - Kit

Robot Cable Protection System

Ordering Information

RKC - 70

① ②

	① Part Type	② Conduit Size	Dimension				Description
			Width	Height	Length	Outer Diameter	
	R KTP (Abrasion Protector)	22	28.0	46.4	-	46.4	Made of reinforced polyamide 6. Protect abrasion and damage of tube when tube bumps on robot arm.
		28	30.0	53.0		53.0	
		36	30.0	62.0		62.0	
		48	30.0	80.0		80.0	
		56	40.0	93.2		93.2	
		70	40.0	108.0		108.0	
95	45.0	131.5	131.5				
	R KTC (Abrasion Protector)	48	50.0	78.0	-	78.0	If robot tube got damaged such as cut or stretched condition, you don't need to replace total tube by using R KTC as it can cover damaged area.
		56	60.0	90.2		90.2	
		70	60.0	105.0		105.0	
		95	65.0	128.5		128.5	
	R KC (Tube Clamp)	22	30.0	50.0	49.0	45.0	Tube clamp in combination with RKS+R KRC or R KD+R KRC to holds tube's movement while robot operates.
		28	30.0	59.5	58.8	53.5	
		36	45.0	88.3	90.2	76.0	
		48	49.5	105.0	128.2	98.0	
		56	40.0	138.1	150.1	116.2	
		70	40.0	145.5	164.9	131.0	
95	50.0	169.3	190.9	154.5			
	R KS (Tube Ball Joint)	22	50.0	23.0	23.0	23.0	Tube ball joint to strengthen tube's flexibility and release tube's tension loaded by robot operation.
		28	60.0	27.0	27.0	27.0	
		36	100.3	80.5	80.5	80.5	
		48	89.0	92.3	92.3	92.3	
		56	102.0	105.3	105.3	105.3	
		70	102.0	120.1	120.1	120.1	
95	120.0	144.2	144.2	144.2			
	R KD (Ball Joint Sleeve)	22	50.0	23.0	23.0	23.0	Tube ball joint, however, its shape is a little bit different as ball joint direction is bidirectional unlike RKS.
		28	60.0	27.0	27.0	27.0	
		36	120.0	83.0	83.0	83.0	
	R KSC (Strain Relief Insert)	22	10.5	29.5	-	29.5	22~36 of R KSC : It clamp for VCG. 48~70 of R KSC : It clamp for Tube and RKS.
		28	13.0	34.5		34.5	
		36	20.6	44.6		44.6	
		48	22.0	67.5		67.5	
		56	26.0	81.2		81.2	
		70	26.0	96.0		96.0	
95	35.0	119.5	119.5				
	R KR (Swivel Plate)	22	56.0	25.7	-	56.0	RKR in combination with RKC is to release tube's tension and fatigue as it can rotate with robot-arm movement.
		28	56.0	25.7		56.0	
		36	98.0	42.0		98.0	
		48	98.0	42.0		98.0	
		56	98.0	42.0		98.0	
		70	98.0	42.0		98.0	
95	120.0	37.0	120.0				
	VCG (Cable End Finishing)	22	10.5	25.5	-	25.5	Clamp for robot cables/hoses at end position of tube.
		28	13.0	30.5		30.5	
		36	20.6	40.6		40.6	
		48	24.0	62.5		62.5	
		56	34.0	75.8		75.8	
		70	34.0	90.0		90.0	
95	43.0	113.5	113.5				
	R KDC (Distributor)	70	120	140	-	140	Distributor protects cables and hoses that connect to very end part, Robot gun where welding flame fled up
	R KTD (T-shape Distributor)	70	110	129	-	129	

Robo-Kit & Roboway Component Parts

