

Products Specifications

Product Name	Point Size	Point Style	Material of Tip Material of Ball
F-301	0.7mm	ARROW TYPE	SUS/WC
JIMNIE RETRACTABLE PEN	0.7mm	ARROW TYPE	SUS/WC
TAPLI BP	0.5/0.7/1.0/ 1.2/1.6	ARROW TYPE	SUS/WC
Z-1	0.7mm	ARROW TYPE	Ns 49/4Pb /WZR
	1.0mm	ARROW TYPE	Ns 49/5Pb /WZR
ZEB ROLLER DX-5 /DX-7	0.5/0.7	NEEDLE TYPE	SUS/WC
J-ROLLER RX	0.5/0.7/1.0mm	ARROW TYPE	SUS/WC
SARASA	0.5/0.7/1.0mm	ARROW TYPE	SUS/WC
HI MCKIE	6.0/1.5	/Chesel Tip	Felt / Acrylic Fiber
PAINT MARKER	1.5	Bullet Point	Acrylic Fiber
SPARKY 1	3.5	Chisel Tip	Polyester

WC: Tungsten carbide

AL: Aluminium

SUS: Stainless Steel

BS: Brass

NS: Nickel Silver

PA-6: Nylon (6)

Product Name	Ink Type	Material of Barrel	Material of Cap
F-301	Oil Based	SUS	-
JIMNIE RETRACTABLE PEN	Oil Based	PC	-
TAPLI BP	Oil Based	PC	—
Z-1	Oil based jelly ink	PS Polyron GP 720	PMMA Shinkolite IRD 50
	Oil based jelly ink	PS Polyron GP 720	PMMA Shinkolite IRD 50
ZEB ROLLER DX-5 /DX-7	Water Based	PP	PP
J-ROLLER RX	Water Pigment	AS	PET
SARASA	Water Pigment	PC	-
HI MCKIE	Oil Based	PP	PE
PAINT MARKER	Oil Pigment	AL	Nylon
SPARKY 1	Water Pigment	PP	PP

TPE: Thermo-Plastic- Elastomer

ABS: Acrlonitrile-butadiene-styrene Resin

PBT: Polybuthlene Terephthalate

Product Name	Material of Grip	Material of Front Part	Material of Retractable
F-301	ABS	BS	ABS/BS
JIMNIE RETRACTABLE PEN	TPE	PMMA	AS/ ABS/PMMA
TAPLI BP	TPE	PMMA	PMMA
Z-1	Elastomer Haibam E.801-60	-	-
	Elastomer Haibam E.801-60	-	-
ZEB ROLLER DX-5 /DX-7	—	PP	—
J-ROLLER RX	—	BS	—
SARASA	TPE	PMMA	POM
HI MCKIE	-	PP	-
PAINT MARKER	-	Urea	-
SPARKY 1	—	PP	—

PC: Polycarbonate Resin
POM: Polyacetal Resin
PMMA: Methacrylic Resins

Product Name	Refill	Ink Weight(g)	Write-out Distance (m)
F-301	F-0.7	0.235	1,200
JIMNIE RETRACTABLE PEN	K-0.7	0.19	800
TAPLI BP	SH-0.5/LH- 0.7/1.0/1.2/1.6	0.255	1700/ 1200/1000/800/ 400
Z-1	ZA-0.7	0.26	600
	ZA-1.0	0.26	500
ZEB ROLLER DX-5 /DX-7	—	1.7	1,100/1,000
J-ROLLER RX	J-0.5/0.7/ 1.0	0.73	550/450/200
SARASA	JF-0.5/0.7/1.0	1.0/1.0/1.0	700/500/250
HI MCKIE	-	6.0	150/550
PAINT MARKER	-	8	200
SPARKY 1	—	2.0	150

PET: Polyethylene Terephthalate
PVC: Polyvinyl Chloride
PP: Polypropylene Resin

Product Name	Weight of Product (g)	Length / Width of Barrel (mm)	
F-301	12.7	130.0/8.8	Retractable Style
JIMNIE RETRACTABLE PEN	10.0	141.2/11.5	Retractable Style
TAPLI BP	11.1	143.0/10.5	Retractable Style
Z-1	9.738	132.18 / 8.82	Cap Style
	9.761	132.33 / 8.87	Cap Style

ZEB ROLLER DX-5 /DX-7	10.0	135.5/11.6	Cap Style
J-ROLLER RX	10.9	154.5/9.0	Cap Style
SARASA	9.7	141.0/11.2	Retractable Style
HI MCKIE	25.1	140.8/21.8	Cap Style
PAINT MARKER	21.0	144.3/15.0	Cap Style
SPARKY 1	11.3	138.5/11.0	Cap Style

AS: Acrylonitrile-system Resin

PS: Styrene Resin