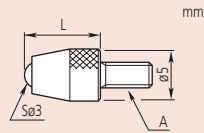
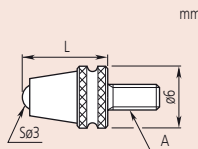


Contact Points

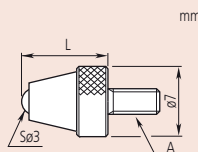
Contact Points with Radius



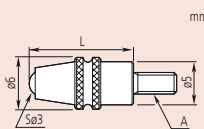
Ball point (901312)



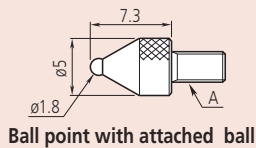
Ball point (902119)



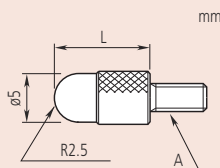
Ball point (21AZA319)



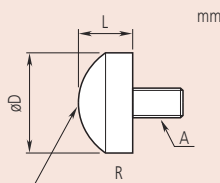
Ball point (21AZA320)



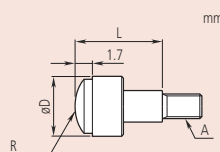
Ball point with attached ball



Shell type point



Spherical point steel



Spherical point carbide



Ball point
(901312)



Ball Point with at-
tached ball (101122)



Shell Type Point
(101118)



Spherical Point Steel
(101119)



Spherical Point
Carbide
(120058D)

Metric

Ball Point

No.	Type	Material	A [mm]	L [mm]
901312		Carbide	M2,5x0,45	7,3
120045D		Carbide	M2,5x0,45	8
902119	Waterproof Type S-Type Series	Carbide	M2,5x0,45	8,3
21AZA319		Carbide	M2,5x0,45	8,3
21AZA320	Waterproof Type S-Type Series	Carbide	M2,5x0,45	12,1
21JAA225		Carbide	M2,5x0,45	14
120049D		Carbide	M2,5x0,45	15
21JAA224		Carbide	M2,5x0,45	17
21AZA321	Waterproof Type S-Type Series	Carbide	M2,5x0,45	19,3
137391		Carbide	M2,5x0,45	20
21JAA226		Carbide	M2,5x0,45	22
120053D		Carbide	M2,5x0,45	25
21AAA252		Carbide	M2,5x0,45	30
901994		Plastic	M2,5x0,45	7,3
120047D		Ruby	M2,5x0,45	8
120051D		Ruby	M2,5x0,45	15
137392		Ruby	M2,5x0,45	20
120055D		Ruby	M2,5x0,45	25
21AAA253		Ruby	M2,5x0,45	30
120046D		Sapphire	M2,5x0,45	8
120050D		Sapphire	M2,5x0,45	15
120054D		Sapphire	M2,5x0,45	25

Metric

Ball point with attached ball

No.	Material	A [mm]	D [mm]
21AAA349	Carbide	M2,5x0,45	1
21AAA350	Carbide	M2,5x0,45	1,5
101122	Steel	M2,5x0,45	1,8
21AAA351	Carbide	M2,5x0,45	2,5
21AAA352	Carbide	M2,5x0,45	4

Metric

Shell Type Point

No.	Material	A [mm]	L [mm]
101386	Steel	M2,5x0,45	5
101118	Steel	M2,5x0,45	10
137393	Steel	M2,5x0,45	15
101387	Steel	M2,5x0,45	20
101388	Steel	M2,5x0,45	25
21AAA254	Steel	M2,5x0,45	30

Metric

Spherical Point

No.	Material	A [mm]	D [mm]	L [mm]	R [mm]
111460	Steel	M2,5x0,45	5,5	3	5
125258	Steel	M2,5x0,45	7,9	5	5
101119	Steel	M2,5x0,45	10	5	7
120058D	Carbide	M2,5x0,45	5,5	5	5
120059D	Carbide	M2,5x0,45	7,5	10	7
120060D	Carbide	M2,5x0,45	10,5	10	10