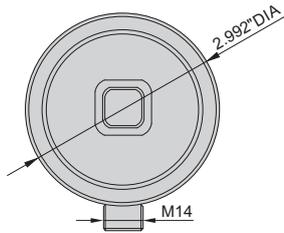


OPTICAL TRANSMISSION PROBES FOR CNC MACHINE TOOLS

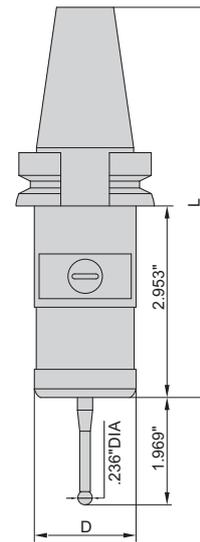
IP68
WATERPROOF



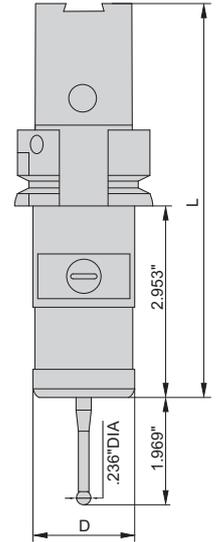
9407-1A



9407-1



BT30, BT50, BT40,
CAT40 spindles



HSK63A spindle

- On-machine measurement
- Multi-channel transmission between probes and receivers, for anti-interference
- Transmit three kinds of signals: trigger, contact and low battery voltage
- With spindle protection function
- Optical transmission range: 39.37", 118.11", 196.85"
- Automatic power off in 3 seconds, move styli to power on



Part no.	9407-1	9407-2	9407-3	9407-4	9407-5
Probe length (L)	5.748"	8.976"	7.087"	7.087"	5.866"
Probe diameter (D)	1.575"	1.831"	1.575"	1.575"	1.575"
Trigger accuracy of styli in any direction	39μin				
Protection stroke triggered by styli in all directions	X and Y axis stroke: ±12.5°, Z axis stroke: 5mm				
Trigger force of styli in all directions	X and Y axis: .033ozf, Z axis: .217ozf				
Applicable spindle	BT30	BT50	BT40	CAT40	HSK63A
Dust/waterproof	IP68				
Power supply	2×LS14250 lithium battery				

* SK and ISO series spindles also can be customized.

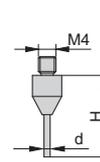
RECEIVER SPECIFICATION

Part no.	9407-1A
Protection function	low battery voltage or probe transmitting signal all the time **
Applicable probe	code 9407-1, 9407-2, 9407-3, 9407-4, 9407-5
Cable length	196.85"
Dust/waterproof	IP68

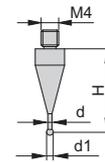
** When the battery voltage is low or the probe transmits signal all the time, the receiver will send a signal to the machine tool to stop working.

STYLI (OPTIONAL)

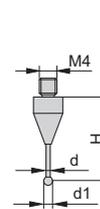
Code	H	d	d1	Material of measuring face
9407-P1	.787"	.039" DIA	—	carbide
9407-P2	.768"	.028" DIA	.039" DIA	ruby
9407-P3	.748"	.055" DIA	.079" DIA	ruby
9407-P4	.787"	.028" DIA	.039" DIA	ruby
9407-P5	.787"	.059" DIA	.079" DIA	ruby
9407-P6	.787"	.079" DIA	.118" DIA	ruby
9407-P7	.787"	.079" DIA	.157" DIA	ruby
9407-P8	1.969"	.118" DIA	.157" DIA	ruby
9407-P9	1.969"	.150" DIA	.197" DIA	ruby
9407-P10	1.969"	.117" DIA	.236" DIA	ruby
9407-P11	2.953"	.150" DIA	.197" DIA	ruby



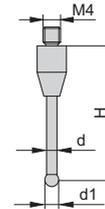
9407-P1



9407-P2



9407-P3



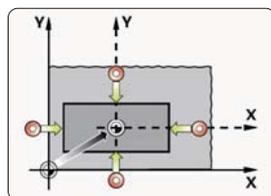
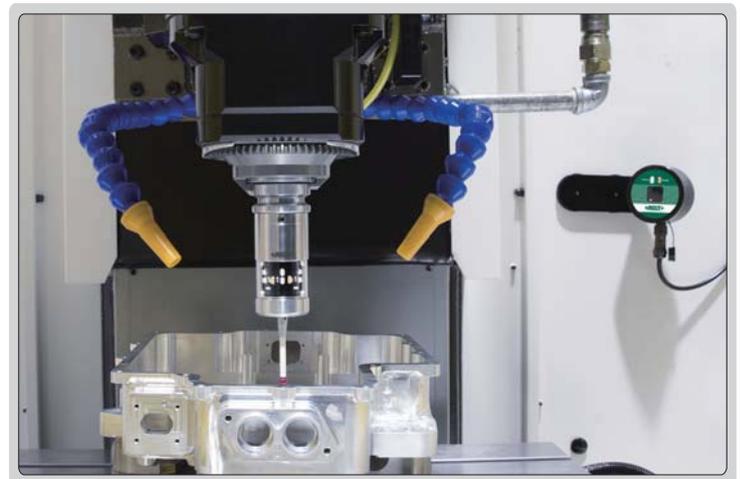
9407-P4~9407-P11

BROKEN PROTECTION ROD (OPTIONAL)

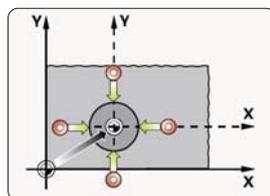
Code	H
9407-R1	.472"
9407-R2	.787"



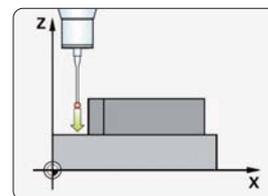
application



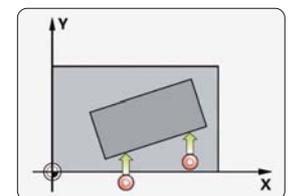
find center of rectangular boss



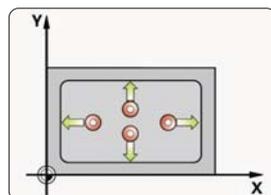
find center of the round boss



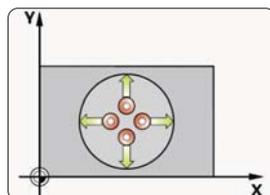
measure position of point on any axis



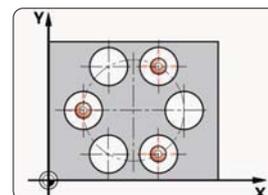
measure inclination of line



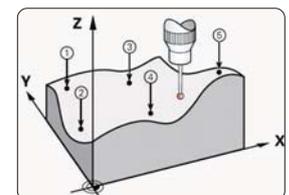
measure rectangular cavity



measure round cavity



measure center of holes



measure freeform surfaces