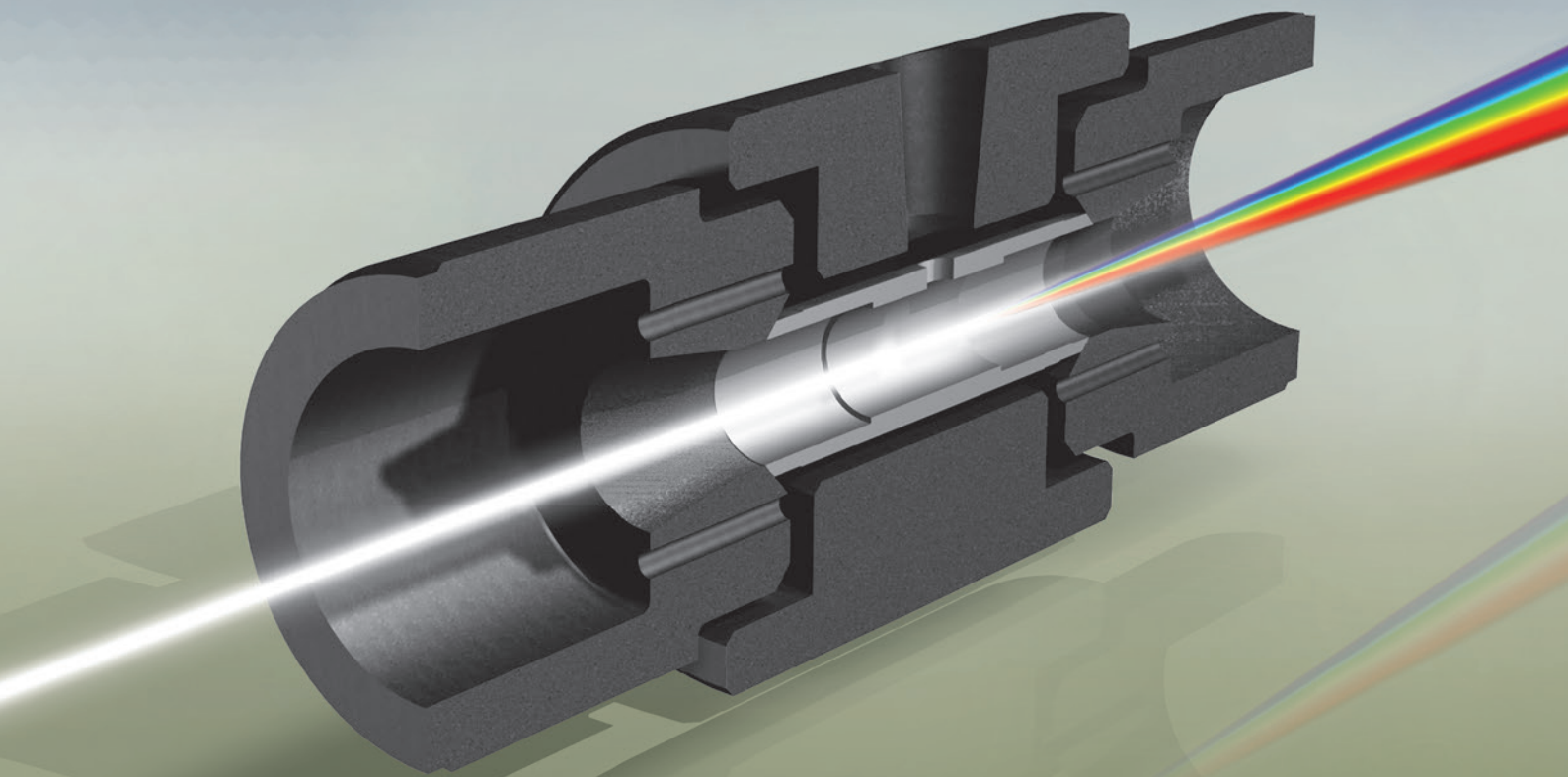




Carbon Technology

Premium Graphite Parts for Atomic Spectroscopy



We are Carbon Technology

Schunk Carbon Technology is a global leader in the development, manufacture and application of carbon and ceramic solutions. Like no-one else, Schunk Carbon Technology combines its innovative spirit and technological expertise with its exceptional customer service to provide a unique range of products and services.

With its highly specialized technology portfolio covering mechanical and electrical carbon, technical ceramics and high-temperature products, Schunk Carbon Technology is able to offer solutions customized perfectly to diverse industrial application. You will find our products in millions of motors in vehicles, electric tools and household appliances, in the rail and aviation industries, in heat treatment processes, also in the fields of solar and wind energy, medical technology and the semi-conductor industry.

Schunk Carbon Technology is a division of the Schunk Group, a globally operating technology corporation with over 8,000 employees in 29 countries, which develops customized high-tech solutions in the fields of carbon and ceramics technology, environmental simulation, climate technology, sintered metal and ultrasonic welding.





▲ AA laboratory for product specific test routines and development, equipped with instruments of all premium AA manufacturers

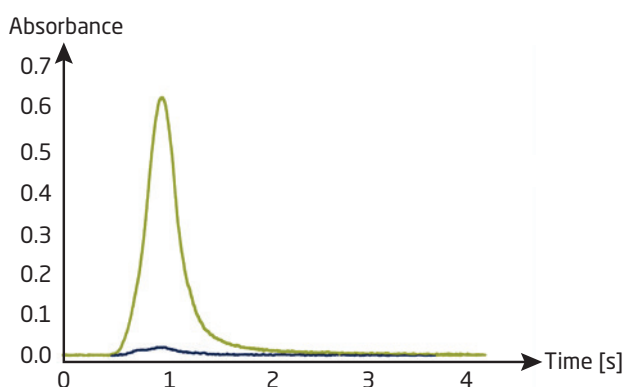
Worldwide benchmark for purity and lifetime

Leading technology for accurate AA results

Schunk Carbon Technology combines comprehensive carbon material knowledge for thermal processes and develops special graphite grades, dedicated for analytical use. The leading technology for high-temperature purification and coating provides ultra-clean, temperature resistant and if required pyrolytically coated graphite parts.

Premium graphite parts for precise AA results

Within spectroscopy, graphite furnace technology (GF-AA) provides the highest sensitivity for detection of trace elements. This technology achieves its exceptional accuracy by quantitative sample injection, precise separation of sample and matrix and long dwell time of atomized elements in the graphite tube. The purity of the graphite tube and its extreme temperature resistance at application temperatures up to 2800 °C are the basis for a reliable analysis of the highest analytical accuracy.



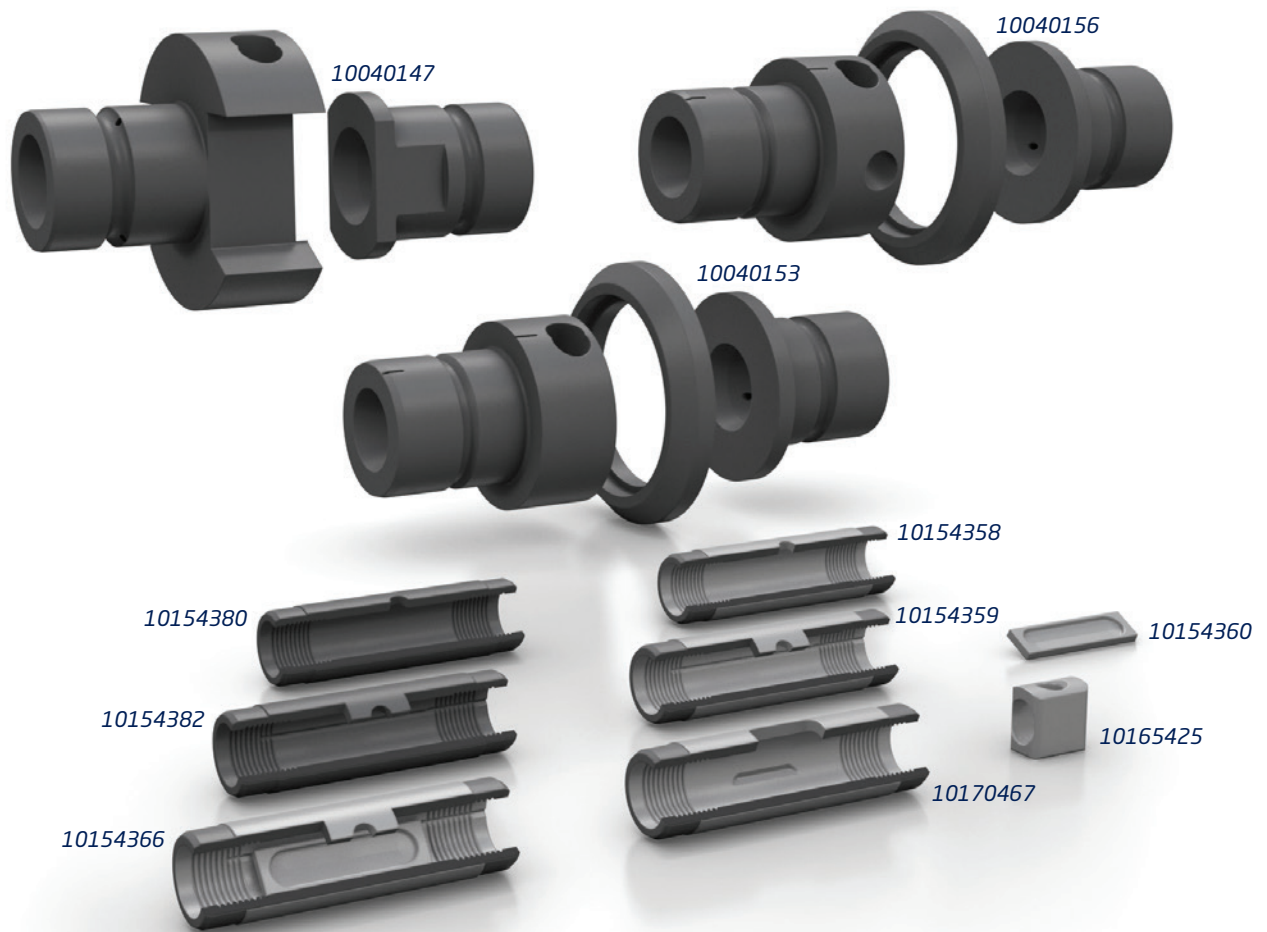
▲ Typical AA detection signal: Ultra fast atomisation at highest signal intensity and excellent signal to noise ratio.

Patented leading-edge technology at its best

For many years, Schunk Carbon Technology has developed and produced graphite tubes and cuvettes for AA and offers a broad range of products. The development and production processes set the benchmark for analytical applications, beginning from the recipe to powder mixing and shaping, through to high-temperature purification and pyro-carbon coating.

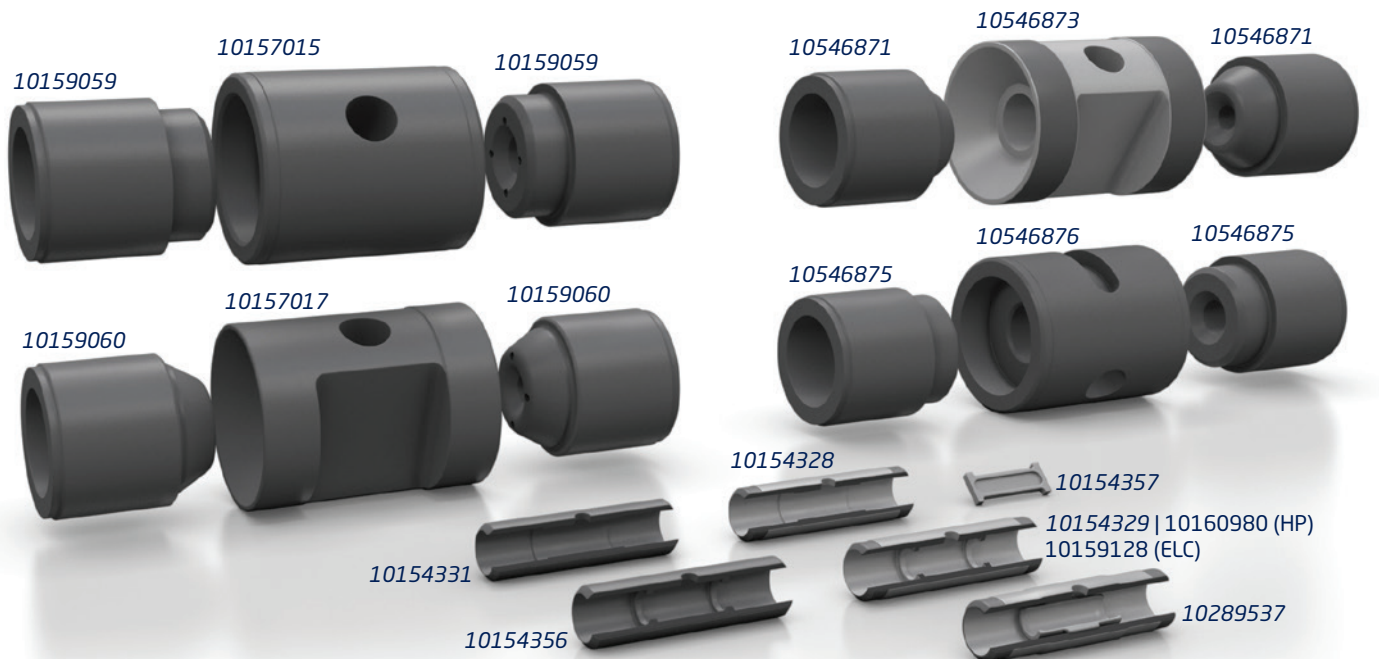
Schunk's patented Omega Tube® types achieve a nearly perfect indirect heating of the sample platform. Thanks to the exceptional temperature resistance, highest purity and unreachable lifetimes, Schunk AA parts are used worldwide and exclusively used at all premium AA manufacturers.

PerkinElmer



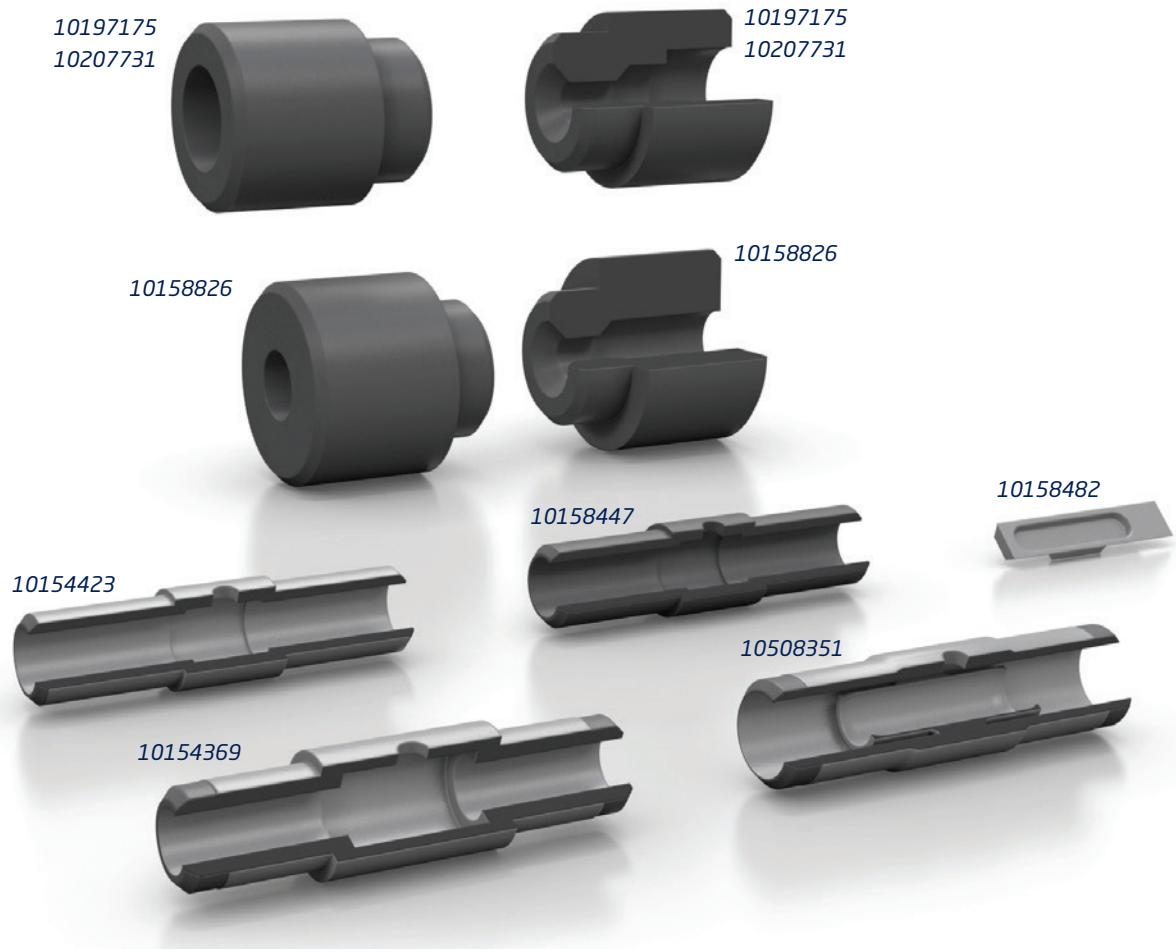
Schunk Part-No.	PerkinElmer Part-No.	Reference PE-Part-No.	PE-pack	Description	Qty./ pack
10154358	B0135653	B0105197 B3000342 B0091504	5 20 50	HGA Standard Tube, coated	10
10154380	-	B0137113 B3001253 B0070699	5 20 50	HGA Standard Tube, uncoated	10
10154359	B0121092	B0137111 B3001254 B0109322	5 20 50	HGA L'vov Platformtube, coated	10
10154382	B0121093	B0109321	50	HGA L'vov Platformtube, uncoated	10
10154360	B0121091	B0137112 B3001256 B0109324	5 20 50	L'vov Platform, pyrolytic graphite	10
10154366	B0112660	B3000343	20	HGA L'vov Platformtube with preinserted Platform	10
10040156	B0128490	B0180363	5	Electrical HGA Contactset (with sensorhole)	1
10040153	B0128495	B3130086	5	Electrical HGA Contactset (without sensorhole)	1
10040147	B0116823	B0180361	5	Electrical Contactset (Zeeman)	1
10170467	B0162706	-	-	Tube for Centralprobe, coated	10
10165425	B0162704	B0144621	5	Centralprobe	10

Agilent



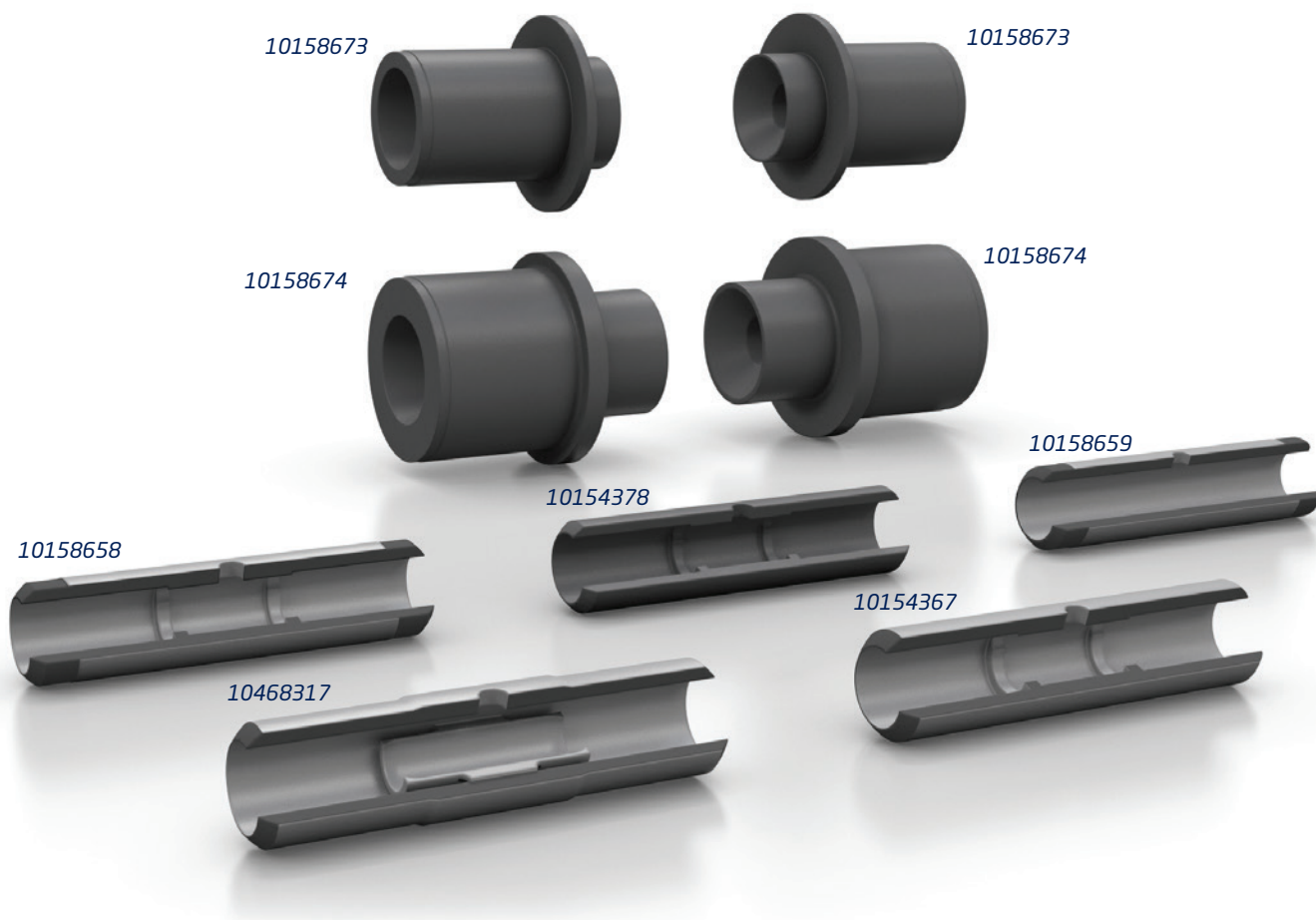
Schunk Part-No.	Agilent Part-No.	Description	Qty./ pack
10154328	63-100011-00	Plateau Tube, coated	10
10154331	63-100014-00	Plateau Tube, uncoated	10
10154357	63-100013-00	Platform, pyrolytic graphite (for use in Plateau Tubes)	10
10154329	63-100012-00	Partition Tube, coated	10
10154356	63-100015-00	Partition Tube, uncoated	10
10160980	63-100012-HP	Partition Tube, coated (HP)	10
10159128	63-100012-EL	Partition Tube, coated (ELC)	10
10289537	63-100037-00	Omega Tube®, coated	10
10157015	63-100018-00	Shroud	1
10159059	63-100016-00	Electrical Contactset	2
10157017	63-100019-00	Shroud (Zeeman)	1
10159060	63-100017-00	Electrical Contactset (Zeeman)	2
10546871	63-100035-00	Electrical Contactset (Zeeman)	2
10546873	63-100036-00	Shroud, coated (Zeeman)	1
10546875	63-100034-00	Electrical Contactset GTA120	2
10546876	63-100031-00	Shroud GTA120	1

Hitachi



Schunk Part-No.	Hitachi Part-No.	Description	Qty. / pack
10154423	180-7444	Standard Tube, coated	10
10158447	180-7400	Standard Tube, uncoated	10
10158482	180-7404	Platform, pyrolytic graphite	10
10154369	190-6003	Tube for extended injection volume, coated	10
10158826	180-7401	Electrical Contactset	2
10197175	172-8805	Electrical Contactset (Zeeman)	2
10207731	172-8805	Electrical Contactset (Zeeman)	4
10508351	-	Omega Tube®, coated	10

Thermo Scientific



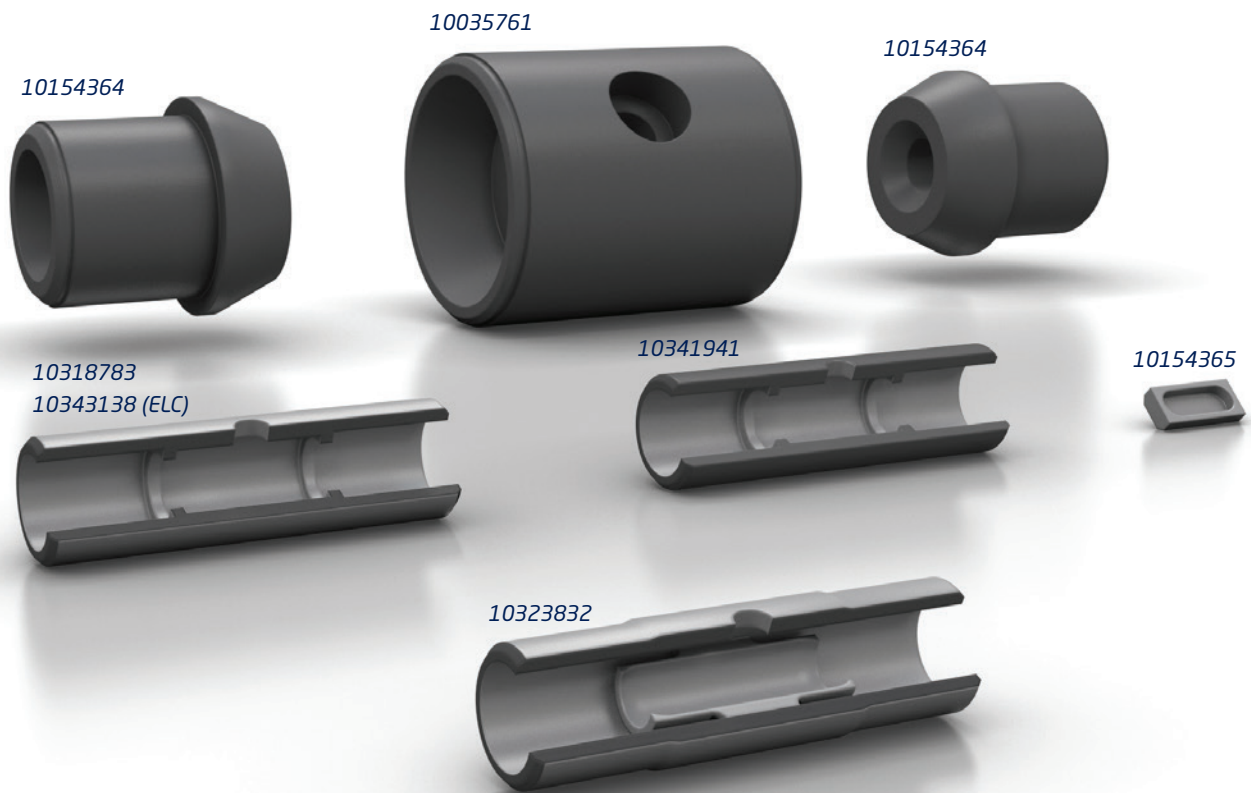
Schunk Part-No.	Thermo Scientific Part-No.	Description	Qty. / pack
10154378	9423 393 95031	Partridge Tube, uncoated	10
10158659	9423 393 95091	Standard Tube Plain, coated	10
10158658	9423 393 95071	Partridge Tube, coated	10
10154367	9423 393 95041	Partridge Tube, coated (ELC)	10
10158673	9423 393 95161	Electrical Contactset (Zeeman)	2
10158674	9423 393 95011	Electrical Contactset (Standard)	2
10468317	9423 490 20101	Omega Tube®, coated	10

Shimadzu



Schunk Part-No.	Shimadzu Part-No.	Description	Qty. / pack
10163687	200-54525	Standardtube, coated (60° cone)	10
10163690	200-54520	Standardtube, uncoated (60° cone)	10
10154376	200-54525 (old)	Standardtube with 5 holes, coated (60° cone)	10
10159065	200-54520 (old)	Standardtube with 5 holes, uncoated (60° cone)	10
10159024	206-82541	Tube with built-in platform, coated (60° cone)	10
10163697	206-69984-02	Tube for extended injection volume, coated (60° cone)	10
10163691	206-80153-03	Tube for extended injection volume, uncoated (60° cone)	10
10193272	206-80165	Electrical Contact (left) (60° cone)	1
10193273	206-80164	Electrical Contact (right) (60° cone)	1
10192888	206-50588	Standardtube, coated (90° cone)	10
10192894	206-50587	Standardtube, uncoated (90° cone)	10
10193274	206-50887(206-5887-02RI)	Tube with built-in platform, coated (90° cone)	10
10192897	206-50602	Electrical Contact (left) (90° cone)	1
10192899	206-50603	Electrical Contact (right) (90° cone)	1
10350274	980-05340	Omega Tube®, coated	10

GBC



Schunk Part-No.	GBC Part-No.	Description	Qty./ pack
10318783	99-0059-00	Standard Tube, coated	10
10343138	-	Standard Tube, coated (ELC)	10
10341941	99-0059-01	Standard Tube, uncoated	10
10154365	99-0060-00	Platform, pyrolytic graphite	10
10323832	99-0342-00	Omega Tube®, coated	10
10154364	99-0061-00	Electrical Contactset	2
10035761	45-0004-00	Shroud	1

Schunk Black Magic® coated handling tools

Is surface contamination process-critical for your analytics?

In analytics, samples can become contaminated simply from coming into contact with the metal tip of a pair of forceps or from resting on a metal surface. Schunk Black Magic® also offers the ideal solution to this particular challenge.

The pure carbon protection coating prevents any potential contamination, providing maximum safety when handling valuable samples and ensuring that your measurement results are highly reliable.



10608060



10608062



10608063



10608059



Schunk Part-No.	Description	Qty./ pack
10608060	Blunt forceps	1
10608062	Pointed forceps	1
10608063	Reverse-action forceps, pointed	1
10608059	Micro spoon	1

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