

evolast<sup>®</sup>

Perfluoroelastomers FFKM

**PURITY AND PERFORMANCE**  
**AT THE CORE OF EVERY CHIP**

# evolast® FFKM for Semiconductor Applications

Angst+Pfister: Your trusted partner for high-purity sealing solutions in semiconductor manufacturing – with seamless integration of compounding, engineering, cleanroom production, and distribution. And a 100% European value chain.

evolast® represents the next generation of perfluoroelastomers, combining exceptional chemical resistance with outstanding thermal stability and elasticity. These properties ensure reliable performance in the most demanding semiconductor environments, where purity and resistance to aggressive chemicals are critical.

From wafer fabrication to advanced etching and deposition processes, evolast® seals deliver maximum reliability under extreme conditions – including high temperatures and exposure to aggressive chemicals and plasma. This makes evolast® the top choice for semiconductor equipment manufacturers and fabs seeking uncompromising performance and contamination control.

## Main Properties of evolast® FFKM



Broad range of compounds for all processes



Low outgassing performance across all compounds



Temperature range from -25°C to +340°C



Minimal residual metal content to prevent metal ion contamination



Almost universal chemical resistance against acids, bases, solvents, plasma and more



100% European-based production



Certified cleanroom compounding and parts manufacturing



One single partner seamlessly integrating compounding, engineering, production and supply chain

## evolast® FFKM Solutions

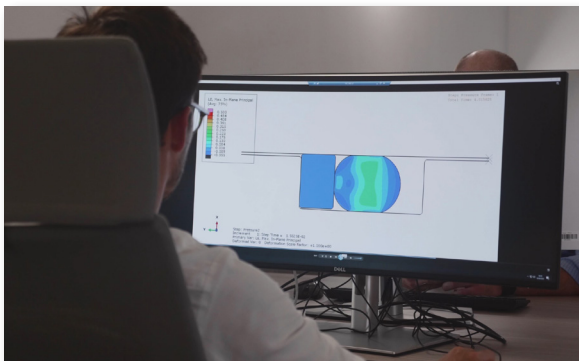
A wide choice of components for static and dynamic sealing applications, available in standard and custom dimensions.



## One Single Partner

evolast® FFKM is 100% developed, compounded and manufactured in house at the Italian centers of excellence of the Angst+Pfister Group. The complete control of the entire value chain, from formulation, to engineering, to production, allows us to provide customized sealing solutions tailored to each customer's needs and to ensure the fastest production time with the reassurance of quality and traceability.

## Engineering & Design



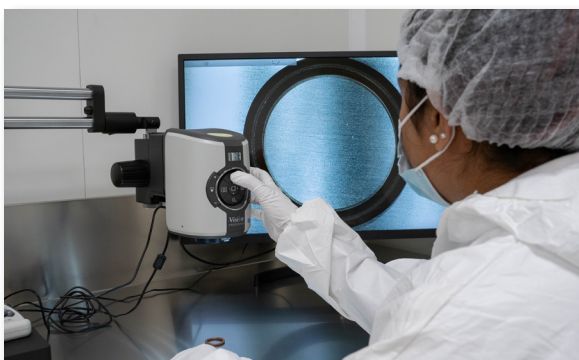
- Contact-pressure modelling under extreme conditions
- Lifetime prediction with aged-material data
- FEA and 3D simulations for first-time-right fit

## Material Selection & Development



- Compound matched to media, temperature, and cleaning regimen
- Validation and certification to meet stringent purity requirements
- Optimised cure and flow for reliable, cost-efficient molding

## Tooling, Testing & Production

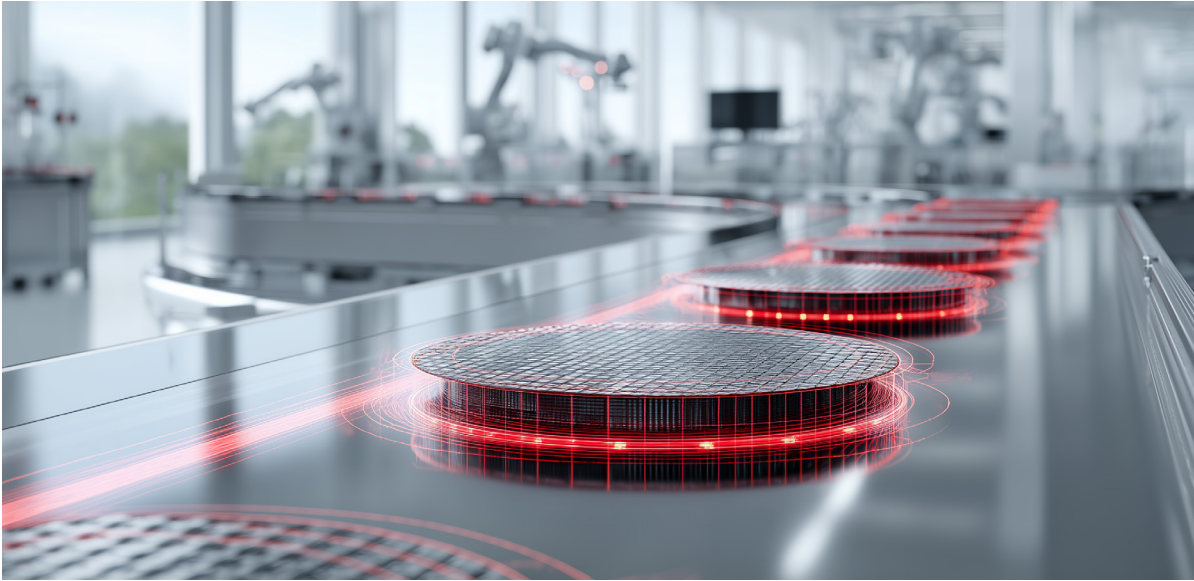


- Flash-free tool design guided by advanced mold-flow simulation
- Full lab & customer testing for chemical, mechanical, and compression-set performance
- Virtual molding optimises press parameters and slashes sample-to-series lead time

## Worldwide Distribution & Support



- Technical expertise and dedicated service in 24 countries across 3 continents
- Custom application engineering
- Shortest lead times from our stock



In the semiconductor industry, where precision, reliability and contamination control are paramount, evolast® FFKM materials play a crucial role. evolast® FFKM materials are known for their exceptional resistance to extreme temperatures, harsh chemicals and aggressive plasma environments, making them ideal for use in critical semiconductor manufacturing processes. From sealing application in semiconductor equipment to wafer handling, evolast® FFKM materials

offer unmatched performance, ensuring integrity of processes and minimizing downtime due to material failure. Sealing solutions show key qualities such as low plasma erosion rates, high temperature stability, excellent resistance to various chemical processes (dry and wet), and exceptional sealing performance. Additionally, to maintain product purity, all evolast® FFKM seals are compounded, manufactured and packaged in a cleanroom environment.


## Tailored Materials for every Semiconductor Process



### Wet Chemical Process

Wet chemistry is widely used in the processing of wafers, requiring high resistance to specific chemicals, without contributing to organic or metallic contamination of the stripping or cleaning fluids.

- Wet Etching
- Wet Stripping
- Wet Cleaning
- Photolithography



	Material	Hardness (Shore A)	Color	Temp. Min. [°C]	Temp. Max. [°C]
	evolast® PS152	75	Black	-25	+275

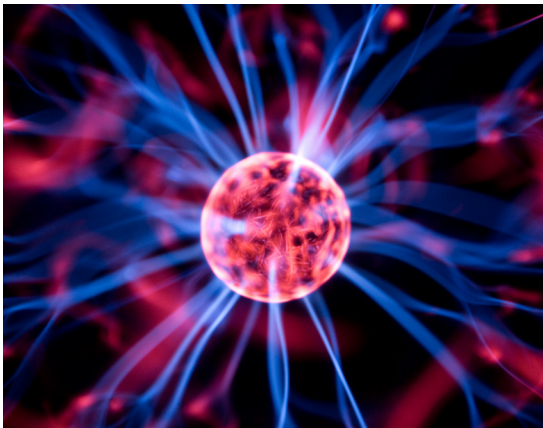


## Thermal Process

Thermal based applications require high-performance materials to give long term sealing resistance at high temperatures, together with specific chemical resistance.

- LPCVD
- RTP
- Thermal CVD
- ALP
- SOI Annealing





	Material	Hardness (Shore A)	Color	Temp. Min. [°C]	Temp. Max. [°C]
	evolast® PS221	75	Amber Translucent	-15	+275
	evolast® PS251	75	Black	-15	+340



## Plasma Process

To withstand aggressive plasma conditions, seals need to have high purity, low particle generation and low outgassing to guarantee reliability and long-life.

- Deposition
- Remote Plasma Cleans
- Dry Plasma Etching
- Dry Ashing
- Oxidation

	Material	Hardness (Shore A)	Color	Temp. Min. [°C]	Temp. Max. [°C]
	evolast® PS321	65	Amber Translucent	-15	+275
	evolast® PS341	75	Brown	-15	+330
	evolast® PS342	65	Brown	-15	+325
	evolast® PS343	75	Brown Translucent	-15	+325



## Features and Benefits

With outstanding resistance to chemicals, including organic and inorganic acids, alkalis, esters, ethers, ketones, and aldehydes, it excels in harsh wet chemical processes.

Addressing semiconductor contamination concerns, evolast® PS152 features exceptional chemical and temperature resistance, superior mechanical properties, high sealing efficiency, and reduced surface permeation for enhanced material compliance. It works at a maximum service temperature of +275°C. Ultrapure post cleaning and packaging is standard for all evolast® grades.

## Recommended Processes

- Wet Etching
- Wet Stripping
- Wet Cleaning
- Photolithography

## Product Applications

- Door & Lid Sealing
- Chemical Diaphragm Valve Sealing
- Filter & Connector Sealing
- Flow Sensor Sealing
- Metering Pump Sealing
- Fittings
- Center Ring
- Pressurized Sealing

## Typical properties

Physical properties	Test method	Unit	Typical value
Color			Black
Specific gravity	ISO 2781	g/cm <sup>3</sup>	2,01
Hardness	ISO 7619-1	Shore A	72
<b>Mechanical properties</b>			
Elongation at break	ISO 37 S2	%	17,7
Tensile strength	ISO 37 S2	MPa	213
Modulus 100%	ISO 37 S2	MPa	3,7
Compression set (70 hours at +200°C)	ISO 815-1 Meth. A	%	18
<b>Service temperature range</b>		°C	-25 / +275

# evolast® PS221



## Features and Benefits

With outstanding resistance to dry process chemistry and robust mechanical strength properties, evolast® PS221 is ideal for static and low-stress sealing applications. Its suggested maximum continuous service temperature is +275°C, ensuring reliable performance even in demanding conditions. Our commitment to quality extends to ultrapure post-cleaning and standard packaging for all parts made from evolast® PS221, guaranteeing optimal purity and protection. Trust evolast® PS221 for superior performance and reliability in your semiconductor operations.

## Recommended Processes

- Deposition (CVD, PECVD, RPCVD, HDPCVD)
- Dry Plasma Etching
- Remote Plasma Cleans
- Oxidation (LPCVD) / Diffusion
- Metallization

## Product Applications

- Valve Seals
- Window Seals
- Isolator Valve Seals
- Lid Seals
- Gas Inlet Seals
- Slit Valve Seals
- Chamber Seals

## Typical properties

Physical properties	Test method	Unit	Typical value
Color			Amber Translucent
Specific gravity	ISO 2781	g/cm <sup>3</sup>	2,08
Hardness	ISO 7619-1	Shore A	74
<b>Mechanical properties</b>			
Elongation at break	ISO 37 S2	%	238
Tensile strength	ISO 37 S2	MPa	16,3
Modulus 100%	ISO 37 S2	MPa	3,9
Compression set (70 hours at +200°C)	ISO 815-1 Meth. A	%	25
<b>Thermal resistance</b>			
Air ageing (70 hours at +250°C)	ASTM D573		
Delta Hardness		ShA points	+1,5
Delta Volume		%	-0,5
<b>Service temperature range</b>		°C	-15 / +275



## Features and Benefits

It boasts unrivaled thermal stability and remarkable resistance to extreme heat. Its low compression set properties ensure prolonged durability, while minimal outgassing safeguards against contamination, maintaining purity in critical environments. With its low moisture content and superb retention of physical properties, evolast® PS251 delivers consistent performance, even at elevated temperatures. With a recommended maximum service temperature of +340°C, evolast® PS251 surpasses expectations, ensuring unparalleled performance in high-temperature settings. Ultrapure post cleaning and packaging is standard for all evolast® grades.

## Recommended Processes

- LPCVD
- RTP
- Thermal CVD
- Atomic Layer Deposition
- Oxidation
- Diffusion

## Product Applications

- Quarts Tube Seals
- Plenum Seals
- Chamber Seals
- Fittings
- Center Ring Seals
- Gas Inlet/Outlet Seals
- Gate Valve Seals
- Slit Valve Seals

### Typical properties

Physical properties	Test method	Unit	Typical value
Color			Black
Specific gravity	ISO 2781	g/cm <sup>3</sup>	1,99
Hardness	ISO 7619-1	Shore A	75
<b>Mechanical properties</b>			
Elongation at break	ISO 37 S2	%	125
Tensile strength	ISO 37 S2	MPa	15,8
Modulus 100%	ISO 37 S2	MPa	9,1
Compression set (70 hours at +200°C)	ISO 815-1 Meth. A	%	7,2
<b>Chemical resistance</b>			
Ageing in Acetone (72 hours at +23°C)	ISO 1817		
Delta Hardness		ShA points	-0,5
Delta Volume		%	+0,8
Delta Weight		%	+0,5
<b>Service temperature range</b>		°C	-15 / +340

# evolast® PS321



## Features and Benefits

Crafted with precision for the semiconductor industry, evolast® PS321 is a perfluoropolymer filled transparent compound designed specifically for semiconductor plasma and gas deposition processes. Optimized Performance: low outgassing and minimal metal content, evolast® PS321 ensures stability and reliability even in demanding environments. With a service temperature capacity of up to +275°C, it remains steadfast in its performance, meeting the rigorous demands of semiconductor processes. Ultrapure post cleaning and packaging is standard for all evolast® grades.

## Recommended Processes

- Lithography
- PVD
- CVD
- Etching
- Stripping
- Cleaning

## Product Applications

- Gate Valve
- Door Seals
- Pendulum Valves
- Bonded Gates And Lip Seals
- Body Seals
- Chamber Lid Seals

## Typical properties

Physical properties	Test method	Unit	Typical value
Color			Amber Translucent
Specific gravity	ISO 2781	g/cm <sup>3</sup>	2,03
Hardness	ISO 7619-1	Shore A	66,5
<b>Mechanical properties</b>			
Elongation at break	ISO 37 S2	%	250
Tensile strength	ISO 37 S2	MPa	17,5
Modulus 100%	ISO 37 S2	MPa	2,4
Compression set (70 hours at +200°C)	ISO 815-1 Meth. A	%	19,7
<b>Thermal resistance</b>			
Air ageing (70 hours at +250°C)	ASTM D573		
Delta Hardness		ShA points	+1
Delta Volume		%	-1
<b>Service temperature range</b>		°C	-15 / +275



## Features and Benefits

This exceptional material boasts outstanding thermal stability, minimizing the risk of degradation even in the most extreme conditions. Its low outgassing properties ensure purity and reliability, making it ideal for critical sealing tasks, whether static or dynamic. With a maximum application temperature of +330°C, evolast® PS341 offers unmatched resilience, maintaining cleanliness and precision in operations. In addition to its exceptional thermal stability, evolast® PS341 showcases remarkable mechanical strength, instilling confidence in its ability to withstand rigorous usage. With minimal metal content and superior performance across a spectrum of challenging conditions, evolast® PS341 stands as a pinnacle of reliability and innovation in sealing technology. Ultrapure post cleaning and packaging is standard for all evolast® grades.

## Recommended Processes

- Deposition (CVD, PECVD, RPCVD, HDPCVD)
- Remote Plasma Cleaning
- Oxidation (LPCVD)
- Diffusion
- Metallization
- Dry Plasma Etching
- Dry Ashing
- Rapid Thermal Processing (RTP)

## Product Applications

- Door & Lid Sealing
- Slit Valve Seals
- Windows Seals
- Gas Inlet/Outlet Seals
- Valve Seals

### Typical properties

Physical properties	Test method	Unit	Typical value
Color			Brown
Specific gravity	ISO 2781	g/cm <sup>3</sup>	2,04
Hardness	ISO 7619-1	Shore A	74
<b>Mechanical properties</b>			
Elongation at break	ISO 37 S2	%	205
Tensile strength	ISO 37 S2	MPa	17
Modulus 100%	ISO 37 S2	MPa	3,5
Compression set (70 hours at +200°C)	ISO 815-1 Meth. A	%	17,2
<b>Thermal resistance</b>			
Air ageing (70 hours at +250°C)	ISO 188		
Delta Hardness		ShA points	+1
Delta Elongation at break		%	-21,5
Delta Tensile strength		%	-32
<b>Service temperature range</b>		°C	-15 / +330



## Features and Benefits

Engineered with precision, evolast® PS342 is tailored for applications in environments characterized by the prevalence of oxygen and fluorine plasma. This remarkable material boasts exceptional thermal stability, minimizing the risk of degradation even in the most extreme conditions. Its remarkably low outgassing properties ensure purity and reliability, making it ideal for critical sealing tasks, whether static or dynamic. With a maximum application temperature reaching +325°C, its outstanding thermal stability, evolast® PS342 showcases remarkable mechanical strength. With minimal metal content and superior performance across a spectrum of challenging conditions, evolast® PS342 stands as a pinnacle of reliability and innovation in sealing technology. Ultrapure post cleaning and packaging is standard for all evolast® grades.

## Recommended Processes

- Deposition (CVD, PECVD, RPCVD, HDPCVD)
- Plasma Cleaning
- Remote Fluorine Plasma Cleaning

## Product Applications

- Chamber Seals
- Endpoint Windows
- Gas Inlet/Outlet Seals
- Valve Seals
- Reactant Delivery System Seals
- Reaction Chamber Lid Seals
- Lid Seals

## Typical properties

Physical properties	Test method	Unit	Typical value
Color			brown
Specific gravity	ISO 2781	g/cm <sup>3</sup>	2,05
Hardness	ISO 7619-1	Shore A	65
<b>Mechanical properties</b>			
Elongation at break	ISO 37 S2	%	225
Tensile strength	ISO 37 S2	MPa	8
Modulus 100%	ISO 37 S2	MPa	1,8
Compression set (70 hours at +200°C)	ISO 815-1 Meth. A	%	18,6
<b>Thermal resistance</b>			
Air ageing (72 hours at +250°C)	ISO 188		
Delta Hardness		ShA points	-0,5
Delta Elongation at break		%	-2
Delta Tensile strength		%	-0,5
<b>Service temperature range</b>		°C	-15 / +325



## Features and Benefits

Engineered with precision, evolast® PS343 is tailored for applications in environments characterized by the prevalence of oxygen and fluorine plasma. This remarkable material boasts exceptional thermal stability, minimizing the risk of degradation even in the most extreme conditions. Its remarkably low outgassing properties ensure purity and reliability, making it ideal for critical sealing tasks, whether static or dynamic. With a maximum application temperature reaching +325°C, its outstanding thermal stability, evolast® PS343 showcases remarkable mechanical strength. With minimal metal content and superior performance across a spectrum of challenging conditions, evolast® PS343 stands as a pinnacle of reliability and innovation in sealing technology. Ultrapure post cleaning and packaging is standard for all evolast® grades.

## Recommended Processes

- Deposition (CVD, PECVD, RPCVD, HDPCVD)
- Remote Plasma Cleaning
- Oxidation (LPCVD)
- Diffusion
- Dry Plasma Etching
- Rapid Thermal Processing (RTP)

## Product Applications

- Gas Inlet/Orifice/Mixing Block Seals
- Chamber Lid Seals
- Isolation Valve Seals
- Bonded Gate Valves / Slit Valve Door Seals

### Typical properties

Physical properties	Test method	Unit	Typical value
Color			Brown Translucent
Specific gravity	ISO 2781	g/cm <sup>3</sup>	2,07
Hardness	ISO 7619-1	Shore A	77
<b>Mechanical properties</b>			
Elongation at break	ISO 37 S2	%	10,5
Tensile strength	ISO 37 S2	MPa	220
Modulus 100%	ISO 37 S2	MPa	3,1
Compression set (70 hours at +200°C)	ISO 815-1 Meth. A	%	27,5
<b>Thermal resistance</b>			
Air ageing (72 hours at +250°C)	ISO 188		
Delta Hardness		ShA points	+1
Delta Elongation at break		%	-1
Delta Tensile strength		%	+4,5
<b>Service temperature range</b>		°C	-15 / +325

# O-Ring Dimensions According to AS568

Below is the range of available evolast® FFKM O-ring sizes manufactured in accordance with AS568, the Aerospace Size Standard established by the Society of Automotive Engineers (SAE). The sizes are organized in ascending order of inside diameter.

AS568 SIZE	Nominal (refer.)		Measurements in inches				Measurements in millimeters				AS568 SIZE
	ID	CS	ID	±	CS	±	ID	±	CS	±	
-001	1/32	1/32	0,029	0,004	0,040	0,003	0,74	0,10	1,02	0,08	-001
-002	3/64	3/64	0,042	0,004	0,050	0,003	1,07	0,10	1,27	0,08	-002
-003	1/16	1/16	0,056	0,004	0,060	0,003	1,42	0,10	1,52	0,08	-003
-004	5/64	1/16	0,070	0,005	0,070	0,003	1,78	0,13	1,78	0,08	-004
-005	3/32	1/16	0,101	0,005	0,070	0,003	2,57	0,13	1,78	0,08	-005
-006	1/8	1/16	0,114	0,005	0,070	0,003	2,90	0,13	1,78	0,08	-006
-007	5/32	1/16	0,145	0,005	0,070	0,003	3,68	0,13	1,78	0,08	-007
-008	3/16	1/16	0,176	0,005	0,070	0,003	4,47	0,13	1,78	0,08	-008
-009	7/32	1/16	0,208	0,005	0,070	0,003	5,28	0,13	1,78	0,08	-009
-010	1/4	1/16	0,239	0,005	0,070	0,003	6,07	0,13	1,78	0,08	-010
-011	5/16	1/16	0,301	0,005	0,070	0,003	7,65	0,13	1,78	0,08	-011
-012	3/8	1/16	0,364	0,005	0,070	0,003	9,25	0,13	1,78	0,08	-012
-013	7/16	1/16	0,426	0,005	0,070	0,003	10,82	0,13	1,78	0,08	-013
-014	1/2	1/16	0,489	0,005	0,070	0,003	12,42	0,13	1,78	0,08	-014
-015	9/16	1/16	0,551	0,007	0,070	0,003	14,00	0,18	1,78	0,08	-015
-016	5/8	1/16	0,614	0,009	0,070	0,003	15,60	0,23	1,78	0,08	-016
-017	11/16	1/16	0,676	0,009	0,070	0,003	17,17	0,23	1,78	0,08	-017
-018	3/4	1/16	0,739	0,009	0,070	0,003	18,77	0,23	1,78	0,08	-018
-019	13/16	1/16	0,801	0,009	0,070	0,003	20,35	0,23	1,78	0,08	-019
-020	7/8	1/16	0,864	0,009	0,070	0,003	21,95	0,23	1,78	0,08	-020
-021	15/16	1/16	0,926	0,009	0,070	0,003	23,52	0,23	1,78	0,08	-021
-022	1	1/16	0,989	0,010	0,070	0,003	25,12	0,25	1,78	0,08	-022
-023	1 1/16	1/16	1,051	0,010	0,070	0,003	26,70	0,25	1,78	0,08	-023
-024	1 1/8	1/16	1,114	0,010	0,070	0,003	28,30	0,25	1,78	0,08	-024
-025	1 3/16	1/16	1,176	0,011	0,070	0,003	29,87	0,28	1,78	0,08	-025
-026	1 1/4	1/16	1,239	0,011	0,070	0,003	31,47	0,28	1,78	0,08	-026
-027	1 5/16	1/16	1,301	0,011	0,070	0,003	33,05	0,28	1,78	0,08	-027
-028	1 3/8	1/16	1,364	0,013	0,070	0,003	34,65	0,33	1,78	0,08	-028
-029	1 1/2	1/16	1,489	0,013	0,070	0,003	37,82	0,33	1,78	0,08	-029

AS568 SIZE	Nominal (refer.)		Measurements in inches				Measurements in millimeters				AS568 SIZE
	ID	CS	ID	±	CS	±	ID	±	CS	±	
-030	1 5/8	1/16	1,614	0,013	0,070	0,003	41,00	0,33	1,78	0,08	-030
-031	1 3/4	1/16	1,739	0,015	0,070	0,003	44,17	0,38	1,78	0,08	-031
-032	1 7/8	1/16	1,864	0,015	0,070	0,003	47,35	0,38	1,78	0,08	-032
-033	2	1/16	1,989	0,018	0,070	0,003	50,52	0,46	1,78	0,08	-033
-034	2 1/8	1/16	2,114	0,018	0,070	0,003	53,70	0,46	1,78	0,08	-034
-035	2 1/4	1/16	2,239	0,018	0,070	0,003	56,87	0,46	1,78	0,08	-035
-036	2 3/8	1/16	2,364	0,018	0,070	0,003	60,05	0,46	1,78	0,08	-036
-037	2 1/2	1/16	2,489	0,018	0,070	0,003	63,22	0,46	1,78	0,08	-037
-038	2 5/8	1/16	2,614	0,020	0,070	0,003	66,40	0,51	1,78	0,08	-038
-039	2 3/4	1/16	2,739	0,020	0,070	0,003	69,57	0,51	1,78	0,08	-039
-040	2 7/8	1/16	2,864	0,020	0,070	0,003	72,75	0,51	1,78	0,08	-040
-041	3	1/16	2,989	0,024	0,070	0,003	75,92	0,61	1,78	0,08	-041
-042	3 1/4	1/16	3,239	0,024	0,070	0,003	82,27	0,61	1,78	0,08	-042
-043	3 1/2	1/16	3,489	0,024	0,070	0,003	88,62	0,61	1,78	0,08	-043
-044	3 3/4	1/16	3,739	0,027	0,070	0,003	94,97	0,69	1,78	0,08	-044
-045	4	1/16	3,989	0,027	0,070	0,003	101,32	0,69	1,78	0,08	-045
-046	4 1/4	1/16	4,239	0,030	0,070	0,003	107,67	0,76	1,78	0,08	-046
-047	4 1/2	1/16	4,489	0,030	0,070	0,003	114,02	0,76	1,78	0,08	-047
-048	4 3/4	1/16	4,739	0,030	0,070	0,003	120,37	0,76	1,78	0,08	-048
-049	5	1/16	4,989	0,037	0,070	0,003	126,72	0,94	1,78	0,08	-049
-050	5 1/4	1/16	5,239	0,037	0,070	0,003	133,07	0,94	1,78	0,08	-050

AS568 SIZE	Nominal (refer.)		Measurements in inches				Measurements in millimeters				AS568 SIZE
	ID	CS	ID	±	CS	±	ID	±	CS	±	
-102	1/16	3/32	0,049	0,005	0,103	0,003	1,24	0,13	2,62	0,08	-102
-103	3/32	3/32	0,081	0,005	0,103	0,003	2,06	0,13	2,62	0,08	-103
-104	1/8	3/32	0,112	0,005	0,103	0,003	2,84	0,13	2,62	0,08	-104
-105	5/32	3/32	0,143	0,005	0,103	0,003	3,63	0,13	2,62	0,08	-105
-106	3/16	3/32	0,174	0,005	0,103	0,003	4,42	0,13	2,62	0,08	-106
-107	7/32	3/32	0,206	0,005	0,103	0,003	5,23	0,13	2,62	0,08	-107
-108	1/4	3/32	0,237	0,005	0,103	0,003	6,02	0,13	2,62	0,08	-108
-109	5/16	3/32	0,299	0,005	0,103	0,003	7,59	0,13	2,62	0,08	-109
-110	3/8	3/32	0,362	0,005	0,103	0,003	9,19	0,13	2,62	0,08	-110
-111	7/16	3/32	0,424	0,005	0,103	0,003	10,77	0,13	2,62	0,08	-111
-112	1/2	3/32	0,487	0,005	0,103	0,003	12,37	0,13	2,62	0,08	-112
-113	9/16	3/32	0,549	0,007	0,103	0,003	13,94	0,18	2,62	0,08	-113
-114	5/8	3/32	0,612	0,009	0,103	0,003	15,54	0,23	2,62	0,08	-114
-115	11/16	3/32	0,674	0,009	0,103	0,003	17,12	0,23	2,62	0,08	-115
-116	3/4	3/32	0,737	0,009	0,103	0,003	18,72	0,23	2,62	0,08	-116
-117	13/16	3/32	0,799	0,010	0,103	0,003	20,29	0,25	2,62	0,08	-117
-118	7/8	3/32	0,862	0,010	0,103	0,003	21,89	0,25	2,62	0,08	-118
-119	15/16	3/32	0,924	0,010	0,103	0,003	23,47	0,25	2,62	0,08	-119
-120	1	3/32	0,987	0,010	0,103	0,003	25,07	0,25	2,62	0,08	-120
-121	1 1/16	3/32	1,049	0,010	0,103	0,003	26,64	0,25	2,62	0,08	-121
-122	1 1/8	3/32	1,112	0,010	0,103	0,003	28,24	0,25	2,62	0,08	-122
-123	1 3/16	3/32	1,174	0,012	0,103	0,003	29,82	0,30	2,62	0,08	-123
-124	1 1/4	3/32	1,237	0,012	0,103	0,003	31,42	0,30	2,62	0,08	-124
-125	1 5/16	3/32	1,299	0,012	0,103	0,003	32,99	0,30	2,62	0,08	-125
-126	1 3/8	3/32	1,362	0,012	0,103	0,003	34,59	0,30	2,62	0,08	-126
-127	1 7/16	3/32	1,424	0,012	0,103	0,003	36,17	0,30	2,62	0,08	-127
-128	1 1/2	3/32	1,487	0,012	0,103	0,003	37,77	0,30	2,62	0,08	-128
-129	1 9/16	3/32	1,549	0,015	0,103	0,003	39,34	0,38	2,62	0,08	-129
-130	1 5/8	3/32	1,612	0,015	0,103	0,003	40,94	0,38	2,62	0,08	-130
-131	1 11/16	3/32	1,674	0,015	0,103	0,003	42,52	0,38	2,62	0,08	-131
-132	1 3/4	3/32	1,737	0,015	0,103	0,003	44,12	0,38	2,62	0,08	-132
-133	1 13/16	3/32	1,799	0,015	0,103	0,003	45,69	0,38	2,62	0,08	-133
-134	1 7/8	3/32	1,862	0,015	0,103	0,003	47,29	0,38	2,62	0,08	-134
-135	1 15/16	3/32	1,925	0,017	0,103	0,003	48,90	0,43	2,62	0,08	-135
-136	2	3/32	1,987	0,017	0,103	0,003	50,47	0,43	2,62	0,08	-136
-137	2 1/16	3/32	2,050	0,017	0,103	0,003	52,07	0,43	2,62	0,08	-137
-138	2 1/8	3/32	2,112	0,017	0,103	0,003	53,64	0,43	2,62	0,08	-138
-139	2 3/16	3/32	2,175	0,017	0,103	0,003	55,25	0,43	2,62	0,08	-139

AS568 SIZE	Nominal (refer.)		Measurements in inches				Measurements in millimeters				AS568 SIZE
	ID	CS	ID	±	CS	±	ID	±	CS	±	
-140	2 1/4	3/32	2,237	0,017	0,103	0,003	56,82	0,43	2,62	0,08	-140
-141	2 5/16	3/32	2,300	0,020	0,103	0,003	58,42	0,51	2,62	0,08	-141
-142	2 3/8	3/32	2,362	0,020	0,103	0,003	59,99	0,51	2,62	0,08	-142
-143	2 7/16	3/32	2,425	0,020	0,103	0,003	61,60	0,51	2,62	0,08	-143
-144	2 1/2	3/32	2,487	0,020	0,103	0,003	63,17	0,51	2,62	0,08	-144
-145	2 9/16	3/32	2,550	0,020	0,103	0,003	64,77	0,51	2,62	0,08	-145
-146	2 5/8	3/32	2,612	0,020	0,103	0,003	66,34	0,51	2,62	0,08	-146
-147	2 11/16	3/32	2,675	0,022	0,103	0,003	67,95	0,56	2,62	0,08	-147
-148	2 3/4	3/32	2,737	0,022	0,103	0,003	69,52	0,56	2,62	0,08	-148
-149	2 13/16	3/32	2,800	0,022	0,103	0,003	71,12	0,56	2,62	0,08	-149
-150	2 7/8	3/32	2,862	0,022	0,103	0,003	72,69	0,56	2,62	0,08	-150
-151	3	3/32	2,987	0,024	0,103	0,003	75,87	0,61	2,62	0,08	-151
-152	3 1/4	3/32	3,237	0,024	0,103	0,003	82,22	0,61	2,62	0,08	-152
-153	3 1/2	3/32	3,487	0,024	0,103	0,003	88,57	0,61	2,62	0,08	-153
-154	3 3/4	3/32	3,737	0,028	0,103	0,003	94,92	0,71	2,62	0,08	-154
-155	4	3/32	3,987	0,028	0,103	0,003	101,27	0,71	2,62	0,08	-155
-156	4 1/4	3/32	4,237	0,030	0,103	0,003	107,62	0,76	2,62	0,08	-156
-157	4 1/2	3/32	4,487	0,030	0,103	0,003	113,97	0,76	2,62	0,08	-157
-158	4 3/4	3/32	4,737	0,030	0,103	0,003	120,32	0,76	2,62	0,08	-158
-159	5	3/32	4,987	0,035	0,103	0,003	126,67	0,89	2,62	0,08	-159
-160	5 1/4	3/32	5,237	0,035	0,103	0,003	133,02	0,89	2,62	0,08	-160
-161	5 1/2	3/32	5,487	0,035	0,103	0,003	139,37	0,89	2,62	0,08	-161
-162	5 3/4	3/32	5,737	0,035	0,103	0,003	145,72	0,89	2,62	0,08	-162
-163	6	3/32	5,987	0,035	0,103	0,003	152,07	0,89	2,62	0,08	-163
-164	6 1/4	3/32	6,237	0,040	0,103	0,003	158,42	1,02	2,62	0,08	-164
-165	6 1/2	3/32	6,487	0,040	0,103	0,003	164,77	1,02	2,62	0,08	-165
-166	6 3/4	3/32	6,737	0,040	0,103	0,003	171,12	1,02	2,62	0,08	-166
-167	7	3/32	6,987	0,040	0,103	0,003	177,47	1,02	2,62	0,08	-167
-168	7 1/4	3/32	7,237	0,045	0,103	0,003	183,82	1,14	2,62	0,08	-168
-169	7 1/2	3/32	7,487	0,045	0,103	0,003	190,17	1,14	2,62	0,08	-169
-170	7 3/4	3/32	7,737	0,045	0,103	0,003	196,52	1,14	2,62	0,08	-170
-171	8	3/32	7,987	0,045	0,103	0,003	202,87	1,14	2,62	0,08	-171
-172	8 1/4	3/32	8,237	0,050	0,103	0,003	209,22	1,27	2,62	0,08	-172
-173	8 1/2	3/32	8,487	0,050	0,103	0,003	215,57	1,27	2,62	0,08	-173
-174	8 3/4	3/32	8,737	0,050	0,103	0,003	221,92	1,27	2,62	0,08	-174
-175	9	3/32	8,987	0,050	0,103	0,003	228,27	1,27	2,62	0,08	-175
-176	9 1/4	3/32	9,237	0,055	0,103	0,003	234,62	1,40	2,62	0,08	-176
-177	9 1/2	3/32	9,487	0,055	0,103	0,003	240,97	1,40	2,62	0,08	-177
-178	9 3/4	3/32	9,737	0,055	0,103	0,003	247,32	1,40	2,62	0,08	-178

AS568 SIZE	Nominal (refer.)		Measurements in inches				Measurements in millimeters				AS568 SIZE
	ID	CS	ID	±	CS	±	ID	±	CS	±	
-201	3/16	1/8	0,171	0,005	0,139	0,004	4,34	0,13	3,53	0,10	-201
-202	1/4	1/8	0,234	0,005	0,139	0,004	5,94	0,13	3,53	0,10	-202
-203	5/16	1/8	0,296	0,005	0,139	0,004	7,52	0,13	3,53	0,10	-203
-204	3/8	1/8	0,359	0,005	0,139	0,004	9,12	0,13	3,53	0,10	-204
-205	7/16	1/8	0,421	0,005	0,139	0,004	10,69	0,13	3,53	0,10	-205
-206	1/2	1/8	0,484	0,005	0,139	0,004	12,29	0,13	3,53	0,10	-206
-207	9/16	1/8	0,546	0,007	0,139	0,004	13,87	0,18	3,53	0,10	-207
-208	5/8	1/8	0,609	0,009	0,139	0,004	15,47	0,23	3,53	0,10	-208
-209	11/16	1/8	0,671	0,009	0,139	0,004	17,04	0,23	3,53	0,10	-209
-210	3/4	1/8	0,734	0,010	0,139	0,004	18,64	0,25	3,53	0,10	-210
-211	13/16	1/8	0,796	0,010	0,139	0,004	20,22	0,25	3,53	0,10	-211
-212	7/8	1/8	0,859	0,010	0,139	0,004	21,82	0,25	3,53	0,10	-212
-213	15/16	1/8	0,921	0,010	0,139	0,004	23,39	0,25	3,53	0,10	-213
-214	1	1/8	0,984	0,010	0,139	0,004	24,99	0,25	3,53	0,10	-214
-215	1 1/16	1/8	1,046	0,010	0,139	0,004	26,57	0,25	3,53	0,10	-215
-216	1 1/8	1/8	1,109	0,012	0,139	0,004	28,17	0,30	3,53	0,10	-216
-217	1 3/16	1/8	1,171	0,012	0,139	0,004	29,74	0,30	3,53	0,10	-217
-218	1 1/4	1/8	1,234	0,012	0,139	0,004	31,34	0,30	3,53	0,10	-218
-219	1 5/16	1/8	1,296	0,012	0,139	0,004	32,92	0,30	3,53	0,10	-219
-220	1 3/8	1/8	1,359	0,012	0,139	0,004	34,52	0,30	3,53	0,10	-220
-221	1 7/16	1/8	1,421	0,012	0,139	0,004	36,09	0,30	3,53	0,10	-221
-222	1 1/2	1/8	1,484	0,015	0,139	0,004	37,69	0,38	3,53	0,10	-222
-223	1 5/8	1/8	1,609	0,015	0,139	0,004	40,87	0,38	3,53	0,10	-223
-224	1 3/4	1/8	1,734	0,015	0,139	0,004	44,04	0,38	3,53	0,10	-224
-225	1 7/8	1/8	1,859	0,018	0,139	0,004	47,22	0,46	3,53	0,10	-225
-226	2	1/8	1,984	0,018	0,139	0,004	50,39	0,46	3,53	0,10	-226
-227	2 1/8	1/8	2,109	0,018	0,139	0,004	53,57	0,46	3,53	0,10	-227
-228	2 1/4	1/8	2,234	0,020	0,139	0,004	56,74	0,51	3,53	0,10	-228
-229	2 3/8	1/8	2,359	0,020	0,139	0,004	59,92	0,51	3,53	0,10	-229
-230	2 1/2	1/8	2,484	0,020	0,139	0,004	63,09	0,51	3,53	0,10	-230
-231	2 5/8	1/8	2,609	0,020	0,139	0,004	66,27	0,51	3,53	0,10	-231
-232	2 3/4	1/8	2,734	0,024	0,139	0,004	69,44	0,61	3,53	0,10	-232
-233	2 7/8	1/8	2,859	0,024	0,139	0,004	72,62	0,61	3,53	0,10	-233
-234	3	1/8	2,984	0,024	0,139	0,004	75,79	0,61	3,53	0,10	-234
-235	3 1/8	1/8	3,109	0,024	0,139	0,004	78,97	0,61	3,53	0,10	-235
-236	3 1/4	1/8	3,234	0,024	0,139	0,004	82,14	0,61	3,53	0,10	-236
-237	3 3/8	1/8	3,359	0,024	0,139	0,004	85,32	0,61	3,53	0,10	-237
-238	3 1/2	1/8	3,484	0,024	0,139	0,004	88,49	0,61	3,53	0,10	-238
-239	3 5/8	1/8	3,609	0,028	0,139	0,004	91,67	0,71	3,53	0,10	-239
-240	3 3/4	1/8	3,734	0,028	0,139	0,004	94,84	0,71	3,53	0,10	-240
-241	3 7/8	1/8	3,859	0,028	0,139	0,004	98,02	0,71	3,53	0,10	-241
-242	4	1/8	3,984	0,028	0,139	0,004	101,19	0,71	3,53	0,10	-242

AS568 SIZE	Nominal (refer.)		Measurements in inches				Measurements in millimeters				AS568 SIZE
	ID	CS	ID	±	CS	±	ID	±	CS	±	
-243	4 1/8	1/8	4,109	0,028	0,139	0,004	104,37	0,71	3,53	0,10	-243
-244	4 1/4	1/8	4,234	0,030	0,139	0,004	107,54	0,76	3,53	0,10	-244
-245	4 3/8	1/8	4,359	0,030	0,139	0,004	110,72	0,76	3,53	0,10	-245
-246	4 1/2	1/8	4,484	0,030	0,139	0,004	113,89	0,76	3,53	0,10	-246
-247	4 5/8	1/8	4,609	0,030	0,139	0,004	117,07	0,76	3,53	0,10	-247
-248	4 3/4	1/8	4,734	0,030	0,139	0,004	120,24	0,76	3,53	0,10	-248
-249	4 7/8	1/8	4,859	0,035	0,139	0,004	123,42	0,89	3,53	0,10	-249
-250	5	1/8	4,984	0,035	0,139	0,004	126,59	0,89	3,53	0,10	-250
-251	5 1/8	1/8	5,109	0,035	0,139	0,004	129,77	0,89	3,53	0,10	-251
-252	5 1/4	1/8	5,234	0,035	0,139	0,004	132,94	0,89	3,53	0,10	-252
-253	5 3/8	1/8	5,359	0,035	0,139	0,004	136,12	0,89	3,53	0,10	-253
-254	5 1/2	1/8	5,484	0,035	0,139	0,004	139,29	0,89	3,53	0,10	-254
-255	5 5/8	1/8	5,609	0,035	0,139	0,004	142,47	0,89	3,53	0,10	-255
-256	5 3/4	1/8	5,734	0,035	0,139	0,004	145,64	0,89	3,53	0,10	-256
-257	5 7/8	1/8	5,859	0,035	0,139	0,004	148,82	0,89	3,53	0,10	-257
-258	6	1/8	5,984	0,035	0,139	0,004	151,99	0,89	3,53	0,10	-258
-259	6 1/4	1/8	6,234	0,040	0,139	0,004	158,34	1,02	3,53	0,10	-259
-260	6 1/2	1/8	6,484	0,040	0,139	0,004	164,69	1,02	3,53	0,10	-260
-261	6 3/4	1/8	6,734	0,040	0,139	0,004	171,04	1,02	3,53	0,10	-261
-262	7	1/8	6,984	0,040	0,139	0,004	177,39	1,02	3,53	0,10	-262
-263	7 1/4	1/8	7,234	0,045	0,139	0,004	183,74	1,14	3,53	0,10	-263
-264	7 1/2	1/8	7,484	0,045	0,139	0,004	190,09	1,14	3,53	0,10	-264
-265	7 3/4	1/8	7,734	0,045	0,139	0,004	196,44	1,14	3,53	0,10	-265
-266	8	1/8	7,984	0,045	0,139	0,004	202,79	1,14	3,53	0,10	-266
-267	8 1/4	1/8	8,234	0,050	0,139	0,004	209,14	1,27	3,53	0,10	-267
-268	8 1/2	1/8	8,484	0,050	0,139	0,004	215,49	1,27	3,53	0,10	-268
-269	8 3/4	1/8	8,734	0,050	0,139	0,004	221,84	1,27	3,53	0,10	-269
-270	9	1/8	8,984	0,050	0,139	0,004	228,19	1,27	3,53	0,10	-270
-271	9 1/4	1/8	9,234	0,055	0,139	0,004	234,54	1,40	3,53	0,10	-271
-272	9 1/2	1/8	9,484	0,055	0,139	0,004	240,89	1,40	3,53	0,10	-272
-273	9 3/4	1/8	9,734	0,055	0,139	0,004	247,24	1,40	3,53	0,10	-273
-274	10	1/8	9,984	0,055	0,139	0,004	253,59	1,40	3,53	0,10	-274
-275	10 1/2	1/8	10,484	0,055	0,139	0,004	266,29	1,40	3,53	0,10	-275
-276	11	1/8	10,984	0,065	0,139	0,004	278,99	1,65	3,53	0,10	-276
-277	11 1/2	1/8	11,484	0,065	0,139	0,004	291,69	1,65	3,53	0,10	-277
-278	12	1/8	11,984	0,065	0,139	0,004	304,39	1,65	3,53	0,10	-278
-279	13	1/8	12,984	0,065	0,139	0,004	329,79	1,65	3,53	0,10	-279
-280	14	1/8	13,984	0,065	0,139	0,004	355,19	1,65	3,53	0,10	-280
-281	15	1/8	14,984	0,065	0,139	0,004	380,59	1,65	3,53	0,10	-281
-282	16	1/8	15,955	0,075	0,139	0,004	405,26	1,91	3,53	0,10	-282
-283	17	1/8	16,955	0,080	0,139	0,004	430,66	2,03	3,53	0,10	-283
-284	18	1/8	17,955	0,085	0,139	0,004	456,06	2,16	3,53	0,10	-284

AS568 SIZE	Nominal (refer.)		Measurements in inches				Measurements in millimeters				AS568 SIZE
	ID	CS	ID	±	CS	±	ID	±	CS	±	
-309	7/16	3/16	0,412	0,005	0,210	0,005	10,46	0,13	5,33	0,13	-309
-310	1/2	3/16	0,475	0,005	0,210	0,005	12,07	0,13	5,33	0,13	-310
-311	9/16	3/16	0,537	0,007	0,210	0,005	13,64	0,18	5,33	0,13	-311
-312	5/8	3/16	0,600	0,009	0,210	0,005	15,24	0,23	5,33	0,13	-312
-313	11/16	3/16	0,662	0,009	0,210	0,005	16,81	0,23	5,33	0,13	-313
-314	3/4	3/16	0,725	0,010	0,210	0,005	18,42	0,25	5,33	0,13	-314
-315	13/16	3/16	0,787	0,010	0,210	0,005	19,99	0,25	5,33	0,13	-315
-316	7/8	3/16	0,850	0,010	0,210	0,005	21,59	0,25	5,33	0,13	-316
-317	15/16	3/16	0,912	0,010	0,210	0,005	23,16	0,25	5,33	0,13	-317
-318	1	3/16	0,975	0,010	0,210	0,005	24,77	0,25	5,33	0,13	-318
-319	1 1/16	3/16	1,037	0,010	0,210	0,005	26,34	0,25	5,33	0,13	-319
-320	1 1/8	3/16	1,100	0,012	0,210	0,005	27,94	0,30	5,33	0,13	-320
-321	1 3/16	3/16	1,162	0,012	0,210	0,005	29,51	0,30	5,33	0,13	-321
-322	1 1/4	3/16	1,225	0,012	0,210	0,005	31,12	0,30	5,33	0,13	-322
-323	1 5/16	3/16	1,287	0,012	0,210	0,005	32,69	0,30	5,33	0,13	-323
-324	1 3/8	3/16	1,350	0,012	0,210	0,005	34,29	0,30	5,33	0,13	-324
-325	1 1/2	3/16	1,475	0,015	0,210	0,005	37,47	0,38	5,33	0,13	-325
-326	1 5/8	3/16	1,600	0,015	0,210	0,005	40,64	0,38	5,33	0,13	-326
-327	1 3/4	3/16	1,725	0,015	0,210	0,005	43,82	0,38	5,33	0,13	-327
-328	1 7/8	3/16	1,850	0,015	0,210	0,005	46,99	0,38	5,33	0,13	-328
-329	2	3/16	1,975	0,018	0,210	0,005	50,17	0,46	5,33	0,13	-329
-330	2 1/8	3/16	2,100	0,018	0,210	0,005	53,34	0,46	5,33	0,13	-330
-331	2 1/4	3/16	2,225	0,018	0,210	0,005	56,52	0,46	5,33	0,13	-331
-332	2 3/8	3/16	2,350	0,018	0,210	0,005	59,69	0,46	5,33	0,13	-332
-333	2 1/2	3/16	2,475	0,020	0,210	0,005	62,87	0,51	5,33	0,13	-333
-334	2 5/8	3/16	2,600	0,020	0,210	0,005	66,04	0,51	5,33	0,13	-334
-335	2 3/4	3/16	2,725	0,020	0,210	0,005	69,22	0,51	5,33	0,13	-335
-336	2 7/8	3/16	2,850	0,020	0,210	0,005	72,39	0,51	5,33	0,13	-336
-337	3	3/16	2,975	0,024	0,210	0,005	75,57	0,61	5,33	0,13	-337
-338	3 1/8	3/16	3,100	0,024	0,210	0,005	78,74	0,61	5,33	0,13	-338
-339	3 1/4	3/16	3,225	0,024	0,210	0,005	81,92	0,61	5,33	0,13	-339

AS568 SIZE	Nominal (refer.)		Measurements in inches				Measurements in millimeters				AS568 SIZE
	ID	CS	ID	±	CS	±	ID	±	CS	±	
-340	3 3/8	3/16	3,350	0,024	0,210	0,005	85,09	0,61	5,33	0,13	-340
-341	3 1/2	3/16	3,475	0,024	0,210	0,005	88,27	0,61	5,33	0,13	-341
-342	3 5/8	3/16	3,600	0,028	0,210	0,005	91,44	0,71	5,33	0,13	-342
-343	3 3/4	3/16	3,725	0,028	0,210	0,005	94,62	0,71	5,33	0,13	-343
-344	3 7/8	3/16	3,850	0,028	0,210	0,005	97,79	0,71	5,33	0,13	-344
-345	4	3/16	3,975	0,028	0,210	0,005	100,97	0,71	5,33	0,13	-345
-346	4 1/8	3/16	4,100	0,028	0,210	0,005	104,14	0,71	5,33	0,13	-346
-347	4 1/4	3/16	4,225	0,030	0,210	0,005	107,32	0,76	5,33	0,13	-347
-348	4 3/8	3/16	4,350	0,030	0,210	0,005	110,49	0,76	5,33	0,13	-348
-349	4 1/2	3/16	4,475	0,030	0,210	0,005	113,67	0,76	5,33	0,13	-349
-350	4 5/8	3/16	4,600	0,030	0,210	0,005	116,84	0,76	5,33	0,13	-350
-351	4 3/4	3/16	4,725	0,030	0,210	0,005	120,02	0,76	5,33	0,13	-351
-352	4 7/8	3/16	4,850	0,030	0,210	0,005	123,19	0,76	5,33	0,13	-352
-353	5	3/16	4,975	0,037	0,210	0,005	126,37	0,94	5,33	0,13	-353
-354	5 1/8	3/16	5,100	0,037	0,210	0,005	129,54	0,94	5,33	0,13	-354
-355	5 1/4	3/16	5,225	0,037	0,210	0,005	132,72	0,94	5,33	0,13	-355
-356	5 3/8	3/16	5,350	0,037	0,210	0,005	135,89	0,94	5,33	0,13	-356
-357	5 1/2	3/16	5,475	0,037	0,210	0,005	139,07	0,94	5,33	0,13	-357
-358	5 5/8	3/16	5,600	0,037	0,210	0,005	142,24	0,94	5,33	0,13	-358
-359	5 3/4	3/16	5,725	0,037	0,210	0,005	145,42	0,94	5,33	0,13	-359
-360	5 7/8	3/16	5,850	0,037	0,210	0,005	148,59	0,94	5,33	0,13	-360
-361	6	3/16	5,975	0,037	0,210	0,005	151,77	0,94	5,33	0,13	-361
-362	6 1/4	3/16	6,225	0,040	0,210	0,005	158,12	1,02	5,33	0,13	-362
-363	6 1/2	3/16	6,475	0,040	0,210	0,005	164,47	1,02	5,33	0,13	-363
-364	6 3/4	3/16	6,725	0,040	0,210	0,005	170,82	1,02	5,33	0,13	-364
-365	7	3/16	6,975	0,040	0,210	0,005	177,17	1,02	5,33	0,13	-365
-366	7 1/4	3/16	7,225	0,045	0,210	0,005	183,52	1,14	5,33	0,13	-366
-367	7 1/2	3/16	7,475	0,045	0,210	0,005	189,87	1,14	5,33	0,13	-367
-368	7 3/4	3/16	7,725	0,045	0,210	0,005	196,22	1,14	5,33	0,13	-368
-369	8	3/16	7,975	0,045	0,210	0,005	202,57	1,14	5,33	0,13	-369

AS568 SIZE	Nominal (refer.)		Measurements in inches				Measurements in millimeters				AS568 SIZE
	ID	CS	ID	±	CS	±	ID	±	CS	±	
-370	8 1/4	3/16	8,225	0,050	0,210	0,005	208,92	1,27	5,33	0,13	-370
-371	8 1/2	3/16	8,475	0,050	0,210	0,005	215,27	1,27	5,33	0,13	-371
-372	8 3/4	3/16	8,725	0,050	0,210	0,005	221,62	1,27	5,33	0,13	-372
-373	9	3/16	8,975	0,050	0,210	0,005	227,97	1,27	5,33	0,13	-373
-374	9 1/4	3/16	9,225	0,055	0,210	0,005	234,32	1,40	5,33	0,13	-374
-375	9 1/2	3/16	9,475	0,055	0,210	0,005	240,67	1,40	5,33	0,13	-375
-376	9 3/4	3/16	9,725	0,055	0,210	0,005	247,02	1,40	5,33	0,13	-376
-377	10	3/16	9,975	0,055	0,210	0,005	253,37	1,40	5,33	0,13	-377
-378	10 1/2	3/16	10,475	0,060	0,210	0,005	266,07	1,52	5,33	0,13	-378
-379	11	3/16	10,975	0,060	0,210	0,005	278,77	1,52	5,33	0,13	-379
-380	11 1/2	3/16	11,475	0,065	0,210	0,005	291,47	1,65	5,33	0,13	-380
-381	12	3/16	11,975	0,065	0,210	0,005	304,17	1,65	5,33	0,13	-381
-382	13	3/16	12,975	0,065	0,210	0,005	329,57	1,65	5,33	0,13	-382
-383	14	3/16	13,975	0,070	0,210	0,005	354,97	1,78	5,33	0,13	-383
-384	15	3/16	14,975	0,070	0,210	0,005	380,37	1,78	5,33	0,13	-384
-385	16	3/16	15,955	0,075	0,210	0,005	405,26	1,91	5,33	0,13	-385
-386	17	3/16	16,955	0,080	0,210	0,005	430,66	2,03	5,33	0,13	-386
-387	18	3/16	17,955	0,085	0,210	0,005	456,06	2,16	5,33	0,13	-387
-388	19	3/16	18,955	0,090	0,210	0,005	481,45	2,29	5,33	0,13	-388
-389	20	3/16	19,955	0,095	0,210	0,005	506,85	2,41	5,33	0,13	-389
-390	21	3/16	20,955	0,095	0,210	0,005	532,25	2,41	5,33	0,13	-390
-391	22	3/16	21,955	0,100	0,210	0,005	557,65	2,54	5,33	0,13	-391
-392	23	3/16	22,940	0,105	0,210	0,005	582,68	2,67	5,33	0,13	-392
-393	24	3/16	23,940	0,110	0,210	0,005	608,08	2,79	5,33	0,13	-393
-394	25	3/16	24,940	0,115	0,210	0,005	633,48	2,92	5,33	0,13	-394
-395	26	3/16	25,940	0,120	0,210	0,005	658,88	3,05	5,33	0,13	-395

AS568 SIZE	Nominal (refer.)		Measurements in inches				Measurements in millimeters				AS568 SIZE
	ID	CS	ID	±	CS	±	ID	±	CS	±	
-425	4 1/2	1/4	4,475	0,033	0,275	0,006	113,67	0,84	6,99	0,15	-425
-426	4 5/8	1/4	4,600	0,033	0,275	0,006	116,84	0,84	6,99	0,15	-426
-427	4 3/4	1/4	4,725	0,033	0,275	0,006	120,02	0,84	6,99	0,15	-427
-428	4 7/8	1/4	4,850	0,033	0,275	0,006	123,19	0,84	6,99	0,15	-428
-429	5	1/4	4,975	0,037	0,275	0,006	126,37	0,94	6,99	0,15	-429
-430	5 1/8	1/4	5,100	0,037	0,275	0,006	129,54	0,94	6,99	0,15	-430
-431	5 1/4	1/4	5,225	0,037	0,275	0,006	132,72	0,94	6,99	0,15	-431
-432	5 3/8	1/4	5,350	0,037	0,275	0,006	135,89	0,94	6,99	0,15	-432
-433	5 1/2	1/4	5,475	0,037	0,275	0,006	139,07	0,94	6,99	0,15	-433
-434	5 5/8	1/4	5,600	0,037	0,275	0,006	142,24	0,94	6,99	0,15	-434
-435	5 3/4	1/4	5,725	0,037	0,275	0,006	145,42	0,94	6,99	0,15	-435
-436	5 7/8	1/4	5,850	0,037	0,275	0,006	148,59	0,94	6,99	0,15	-436
-437	6	1/4	5,975	0,037	0,275	0,006	151,77	0,94	6,99	0,15	-437
-438	6 1/4	1/4	6,225	0,040	0,275	0,006	158,12	1,02	6,99	0,15	-438
-439	6 1/2	1/4	6,475	0,040	0,275	0,006	164,47	1,02	6,99	0,15	-439
-440	6 3/4	1/4	6,725	0,040	0,275	0,006	170,82	1,02	6,99	0,15	-440
-441	7	1/4	6,975	0,040	0,275	0,006	177,17	1,02	6,99	0,15	-441
-442	7 1/4	1/4	7,225	0,045	0,275	0,006	183,52	1,14	6,99	0,15	-442
-443	7 1/2	1/4	7,475	0,045	0,275	0,006	189,87	1,14	6,99	0,15	-443
-444	7 3/4	1/4	7,725	0,045	0,275	0,006	196,22	1,14	6,99	0,15	-444
-445	8	1/4	7,975	0,045	0,275	0,006	202,57	1,14	6,99	0,15	-445
-446	8 1/2	1/4	8,475	0,055	0,275	0,006	215,27	1,40	6,99	0,15	-446
-447	9	1/4	8,975	0,055	0,275	0,006	227,97	1,40	6,99	0,15	-447
-448	9 1/2	1/4	9,475	0,055	0,275	0,006	240,67	1,40	6,99	0,15	-448
-449	10	1/4	9,975	0,055	0,275	0,006	253,37	1,40	6,99	0,15	-449
-450	10 1/2	1/4	10,475	0,060	0,275	0,006	266,07	1,52	6,99	0,15	-450
-451	11	1/4	10,975	0,060	0,275	0,006	278,77	1,52	6,99	0,15	-451
-452	11 1/2	1/4	11,475	0,060	0,275	0,006	291,47	1,52	6,99	0,15	-452
-453	12	1/4	11,975	0,060	0,275	0,006	304,17	1,52	6,99	0,15	-453
-454	12 1/2	1/4	12,475	0,060	0,275	0,006	316,87	1,52	6,99	0,15	-454
-455	13	1/4	12,975	0,060	0,275	0,006	329,57	1,52	6,99	0,15	-455
-456	13 1/2	1/4	13,475	0,070	0,275	0,006	342,27	1,78	6,99	0,15	-456
-457	14	1/4	13,975	0,070	0,275	0,006	354,97	1,78	6,99	0,15	-457
-458	14 1/2	1/4	14,475	0,070	0,275	0,006	367,67	1,78	6,99	0,15	-458
-459	15	1/4	14,975	0,070	0,275	0,006	380,37	1,78	6,99	0,15	-459

AS568 SIZE	Nominal (refer.)		Measurements in inches				Measurements in millimeters				AS568 SIZE
	ID	CS	ID	±	CS	±	ID	±	CS	±	
-460	15 1/2	1/4	15,475	0,070	0,275	0,006	393,07	1,78	6,99	0,15	-460
-461	16	1/4	15,955	0,075	0,275	0,006	405,26	1,91	6,99	0,15	-461
-462	16 1/2	1/4	16,455	0,075	0,275	0,006	417,96	1,91	6,99	0,15	-462
-463	17	1/4	16,955	0,080	0,275	0,006	430,66	2,03	6,99	0,15	-463
-464	17 1/2	1/4	17,455	0,085	0,275	0,006	443,36	2,16	6,99	0,15	-464
-465	18	1/4	17,955	0,085	0,275	0,006	456,06	2,16	6,99	0,15	-465
-466	18 1/2	1/4	18,455	0,085	0,275	0,006	468,76	2,16	6,99	0,15	-466
-467	19	1/4	18,955	0,090	0,275	0,006	481,46	2,29	6,99	0,15	-467
-468	19 1/2	1/4	19,455	0,090	0,275	0,006	494,16	2,29	6,99	0,15	-468
-469	20	1/4	19,955	0,095	0,275	0,006	506,86	2,41	6,99	0,15	-469
-470	21	1/4	20,955	0,095	0,275	0,006	532,26	2,41	6,99	0,15	-470
-471	22	1/4	21,955	0,100	0,275	0,006	557,66	2,54	6,99	0,15	-471
-472	23	1/4	22,940	0,105	0,275	0,006	582,68	2,67	6,99	0,15	-472
-473	24	1/4	23,940	0,110	0,275	0,006	608,08	2,79	6,99	0,15	-473
-474	25	1/4	24,940	0,115	0,275	0,006	633,48	2,92	6,99	0,15	-474
-475	26	1/4	25,940	0,120	0,275	0,006	658,88	3,05	6,99	0,15	-475

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