



Annealed Copper Washers

These copper washers are used as a Sealing Washer. The Annealing process makes the material stress free so the contact surfaces are softer, creating a seal as the copper deforms to fit. The copper will also not damage the fastener or housing.

The washer is used in multiple applications like hydraulic connections, automotive and plumbing.

Available in popular BSP and Metric sizes, all are sized to the DIN125, ISO7089 standards.



The copper washer sizes are listed using the ID as reference.

Metric

Part number	Metric	ID (mm)	OD (mm)	Thickness (mm)
10447	M4	4.3	9.0	0.8
10448	M5	5.3	10.0	1.0
10449	M6	6.4	12.0	1.6
10451	M8	8.4	16.0	1.6
10452	M10	10.5	20.0	2.0
10453	M12	13.0	24.0	2.5
10454	M14	15.0	28.0	2.5
10455	M16	17.0	30.0	3.0
10456	M18	19.0	34.0	3.0
10457	M20	21.0	37.0	3.0
10458	M22	23.0	39.0	3.0
10459	M24	25.0	44.0	4.0

Imperial

Part Number	BSP	ID (mm)	OD (mm)	Thickness (mm)
10436	1/4	13.5	19.0	1.5
10437	3/8	17.0	22.0	1.5
41812	1/2	21.5	27.0	1.5
10438	3/4	27.0	33.0	1.5
10439	1	33.5	40.0	1.5
10440	1 1/4	42.0	50.0	1.5
41799	1 1/2	48.0	55.0	1.5
10441	2	60.0	66.0	1.5

Exclusively distributed by

Pacific Seals, 1D Quadrant Drive, Gracefield, Lower Hutt www.pacificseals.co.nz 04 566 3180

0800 822 722





Annealed Copper Washer Kits

Annealed copper washer kits are now available, providing a range of commonly used sized washers in a handy organiser. There are kits available for both Metric and BSP sizes.

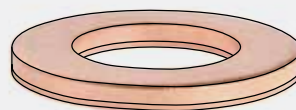
The copper washer sizes are listed using the ID as reference.

Metric – Part #49035

Part number	Quantity	Metric	ID (mm)	OD (mm)	Thickness (mm)
10447	20	M4	4.3	9.0	0.8
10448	20	M5	5.3	10.0	1.0
10449	20	M6	6.4	12.0	1.6
10451	20	M8	8.4	16.0	1.6
10452	20	M10	10.5	20.0	2.0
10453	20	M12	13.0	24.0	2.5
10454	20	M14	15.0	28.0	2.5
10455	10	M16	17.0	30.0	3.0
10456	10	M18	19.0	34.0	3.0
10457	4	M20	21.0	37.0	3.0
10458	4	M22	23.0	39.0	3.0

Imperial – Part #49036

Part Number	Quantity	BSP	ID (mm)	OD (mm)	Thickness (mm)
10436	20	1/4	13.5	19.0	1.5
10437	20	3/8	17.0	22.0	1.5
41812	20	1/2	21.5	27.0	1.5
10438	20	3/4	27.0	33.0	1.5
10439	10	1	33.5	40.0	1.5
10440	4	1 1/4	42.0	50.0	1.5
41799	4	1 1/2	48.0	55.0	1.5
10441	4	2	60.0	66.0	1.5



What is Annealing?

The process of annealing copper using heat allows a part of the washer to be softer than the rest. The softer side of the washer is placed against the surface you are tightening to. This allows the washer to properly align to the surface you are placing on and conform to its irregularities. An annealed copper washer is less common and requires more processing during production so is usually slightly more expensive. An annealed copper washer can be identified by its two-tone copper rings.

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NEW STOCKLINE



Annealed Copper Gasket Kit

An Annealed copper gasket kit is now available, providing a range of commonly used sized gasket in a handy organiser.



The copper gasket sizes are listed using the ID as reference.

Metric – Part #49153

Part number	Quantity	Metric	ID (mm)	OD (mm)	Thickness (mm)	DIN
10447	20	M4	4.3	9.0	0.8	DIN125
10448	20	M5	5.3	10.0	1.0	DIN125
10449	20	M6	6.4	12.0	1.6	DIN125
10509	20	M8	8.2	11.4	1.0	DIN7603
10517	20	M10	10.2	13.4	1.0	DIN7603
10518	20	M12	12.2	15.4	1.5	DIN7603
10521	20	M14	14.2	17.9	1.5	DIN7603
10525	10	M16	16.2	19.9	1.5	DIN7603
10527	10	M18	18.2	21.9	1.5	DIN7603
10528	4	M20	20.2	23.9	1.5	DIN7603
10632	4	M22	22.2	26.9	1.5	DIN7603



What is Annealing?

The process of annealing copper using heat allows a part of the gasket to be softer than the rest. The softer side of the gasket is placed against the surface you are tightening to. This allows the gasket to properly align to the surface you are placing on and conform to its irregularities. An annealed copper gasket is less common and requires more processing during production so is usually slightly more expensive. An annealed copper gasket can be identified by its two-tone copper rings.

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