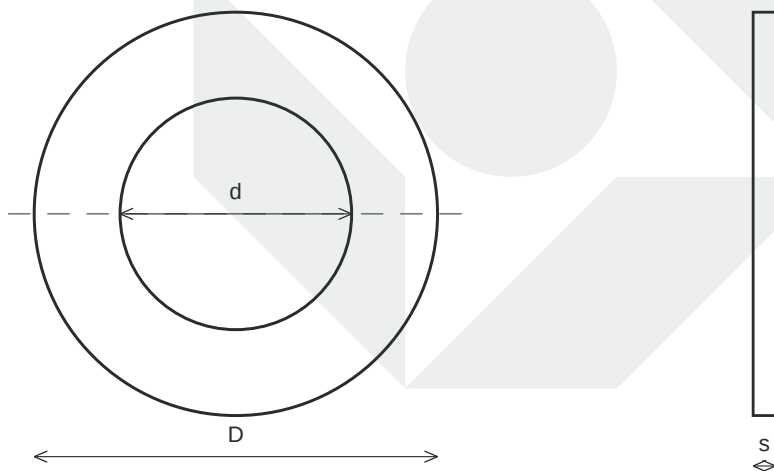


Support washers DIN 988

Shim washers adjust axial position; support washers provide a supporting contact surface. Even when they share DIN 988, their function, material and thickness require separate selection.



Family illustration.



Dimension-reference diagram, not to scale. The illustrated geometry is indicative. The variant production drawing is confirmed with the quotation.

Reference technical range. Material, finish and supply are confirmed against the enquiry. Dueemme article codes are pending mapping. No manufacturer load rating or performance is automatically attributed to the supply.

Technical variants

A dash means an undocumented value, not zero.

Size / reference mm	Thickness / wire mm	Material	Finish
d 3,00 / D 6,0	1.0	Steel	Phosphated and oiled, or oiled
d 4,00 / D 8,0	1.0	Steel	Phosphated and oiled, or oiled
d 5,00 / D 10,0	1.0	Steel	Phosphated and oiled, or oiled
d 6,00 / D 12,0	1.2	Steel	Phosphated and oiled, or oiled
d 7,00 / D 13,0	1.2	Steel	Phosphated and oiled, or oiled
d 8,00 / D 14,0	1.2	Steel	Phosphated and oiled, or oiled
d 9,00 / D 15,0	1.2	Steel	Phosphated and oiled, or oiled
d 10,00 / D 16,0	1.2	Steel	Phosphated and oiled, or oiled
d 11,00 / D 17,0	1.2	Steel	Phosphated and oiled, or oiled
d 12,00 / D 18,0	1.2	Steel	Phosphated and oiled, or oiled
d 13,00 / D 19,0	1.5	Steel	Phosphated and oiled, or oiled
d 14,00 / D 20,0	1.5	Steel	Phosphated and oiled, or oiled
d 15,00 / D 21,0	1.5	Steel	Phosphated and oiled, or oiled
d 15,00 / D 22,0	1.5	Steel	Phosphated and oiled, or oiled
d 16,00 / D 22,0	1.5	Steel	Phosphated and oiled, or oiled
d 17,00 / D 24,0	1.5	Steel	Phosphated and oiled, or oiled
d 18,00 / D 25,0	1.5	Steel	Phosphated and oiled, or oiled
d 19,00 / D 26,0	1.5	Steel	Phosphated and oiled, or oiled
d 20,00 / D 28,0	2.0	Steel	Phosphated and oiled, or oiled
d 22,00 / D 30,0	2.0	Steel	Phosphated and oiled, or oiled
d 22,00 / D 32,0	2.0	Steel	Phosphated and oiled, or oiled
d 25,00 / D 35,0	2.0	Steel	Phosphated and oiled, or oiled
d 25,00 / D 36,0	2.0	Steel	Phosphated and oiled, or oiled
d 26,00 / D 37,0	2.0	Steel	Phosphated and oiled, or oiled
d 28,00 / D 40,0	2.0	Steel	Phosphated and oiled, or oiled
d 30,00 / D 42,0	2.5	Steel	Phosphated and oiled, or oiled
d 32,00 / D 45,0	2.5	Steel	Phosphated and oiled, or oiled
d 35,00 / D 45,0	2.5	Steel	Phosphated and oiled, or oiled
d 36,00 / D 45,0	2.5	Steel	Phosphated and oiled, or oiled
d 37,00 / D 47,0	2.5	Steel	Phosphated and oiled, or oiled
d 40,00 / D 50,0	2.5	Steel	Phosphated and oiled, or oiled
d 42,00 / D 52,0	2.5	Steel	Phosphated and oiled, or oiled

Size / reference mm	Thickness / wire mm	Material	Finish
d 45,00 / D 55,0	3.0	Steel	Phosphated and oiled, or oiled
d 45,00 / D 56,0	3.0	Steel	Phosphated and oiled, or oiled
d 48,00 / D 60,0	3.0	Steel	Phosphated and oiled, or oiled
d 50,00 / D 62,0	3.0	Steel	Phosphated and oiled, or oiled
d 50,00 / D 63,0	3.0	Steel	Phosphated and oiled, or oiled
d 52,00 / D 65,0	3.0	Steel	Phosphated and oiled, or oiled
d 55,00 / D 68,0	3.0	Steel	Phosphated and oiled, or oiled
d 56,00 / D 70,0	3.0	Steel	Phosphated and oiled, or oiled
d 56,00 / D 72,0	3.0	Steel	Phosphated and oiled, or oiled
d 60,00 / D 75,0	3.0	Steel	Phosphated and oiled, or oiled
d 63,00 / D 80,0	3.0	Steel	Phosphated and oiled, or oiled
d 65,00 / D 85,0	3.5	Steel	Phosphated and oiled, or oiled
d 70,00 / D 90,0	3.5	Steel	Phosphated and oiled, or oiled
d 75,00 / D 95,0	3.5	Steel	Phosphated and oiled, or oiled
d 80,00 / D 100,0	3.5	Steel	Phosphated and oiled, or oiled
d 85,00 / D 105,0	3.5	Steel	Phosphated and oiled, or oiled
d 90,00 / D 110,0	3.5	Steel	Phosphated and oiled, or oiled
d 95,00 / D 115,0	3.5	Steel	Phosphated and oiled, or oiled
d 100,00 / D 120,0	3.5	Steel	Phosphated and oiled, or oiled
d 100,00 / D 125,0	3.5	Steel	Phosphated and oiled, or oiled
d 105,00 / D 130,0	3.5	Steel	Phosphated and oiled, or oiled
d 110,00 / D 140,0	3.5	Steel	Phosphated and oiled, or oiled
d 120,00 / D 150,0	3.5	Steel	Phosphated and oiled, or oiled
d 130,00 / D 160,0	3.5	Steel	Phosphated and oiled, or oiled
d 140,00 / D 170,0	3.5	Steel	Phosphated and oiled, or oiled
d 150,00 / D 180,0	3.5	Steel	Phosphated and oiled, or oiled
d 160,00 / D 190,0	3.5	Steel	Phosphated and oiled, or oiled
d 170,00 / D 200,0	3.5	Steel	Phosphated and oiled, or oiled
d 3,00 / D 6,0	1.0	Stainless steel	Specify in enquiry
d 4,00 / D 8,0	1.0	Stainless steel	Specify in enquiry
d 5,00 / D 10,0	1.0	Stainless steel	Specify in enquiry
d 6,00 / D 12,0	1.2	Stainless steel	Specify in enquiry
d 7,00 / D 13,0	1.2	Stainless steel	Specify in enquiry
d 8,00 / D 14,0	1.2	Stainless steel	Specify in enquiry

Size / reference mm	Thickness / wire mm	Material	Finish
d 9,00 / D 15,0	1.2	Stainless steel	Specify in enquiry
d 10,00 / D 16,0	1.2	Stainless steel	Specify in enquiry
d 11,00 / D 17,0	1.2	Stainless steel	Specify in enquiry
d 12,00 / D 18,0	1.2	Stainless steel	Specify in enquiry
d 13,00 / D 19,0	1.5	Stainless steel	Specify in enquiry
d 14,00 / D 20,0	1.5	Stainless steel	Specify in enquiry
d 15,00 / D 21,0	1.5	Stainless steel	Specify in enquiry
d 15,00 / D 22,0	1.5	Stainless steel	Specify in enquiry
d 16,00 / D 22,0	1.5	Stainless steel	Specify in enquiry
d 17,00 / D 24,0	1.5	Stainless steel	Specify in enquiry
d 18,00 / D 25,0	1.5	Stainless steel	Specify in enquiry
d 19,00 / D 26,0	1.5	Stainless steel	Specify in enquiry
d 20,00 / D 28,0	2.0	Stainless steel	Specify in enquiry
d 22,00 / D 30,0	2.0	Stainless steel	Specify in enquiry
d 22,00 / D 32,0	2.0	Stainless steel	Specify in enquiry
d 25,00 / D 35,0	2.0	Stainless steel	Specify in enquiry
d 25,00 / D 36,0	2.0	Stainless steel	Specify in enquiry
d 26,00 / D 37,0	2.0	Stainless steel	Specify in enquiry
d 28,00 / D 40,0	2.0	Stainless steel	Specify in enquiry
d 30,00 / D 42,0	2.5	Stainless steel	Specify in enquiry
d 32,00 / D 45,0	2.5	Stainless steel	Specify in enquiry
d 35,00 / D 45,0	2.5	Stainless steel	Specify in enquiry
d 36,00 / D 45,0	2.5	Stainless steel	Specify in enquiry
d 37,00 / D 47,0	2.5	Stainless steel	Specify in enquiry
d 40,00 / D 50,0	2.5	Stainless steel	Specify in enquiry
d 42,00 / D 52,0	2.5	Stainless steel	Specify in enquiry
d 45,00 / D 55,0	3.0	Stainless steel	Specify in enquiry
d 45,00 / D 56,0	3.0	Stainless steel	Specify in enquiry
d 48,00 / D 60,0	3.0	Stainless steel	Specify in enquiry
d 50,00 / D 62,0	3.0	Stainless steel	Specify in enquiry
d 50,00 / D 63,0	3.0	Stainless steel	Specify in enquiry
d 52,00 / D 65,0	3.0	Stainless steel	Specify in enquiry
d 55,00 / D 68,0	3.0	Stainless steel	Specify in enquiry
d 56,00 / D 70,0	3.0	Stainless steel	Specify in enquiry

Size / reference mm	Thickness / wire mm	Material	Finish
d 56,00 / D 72,0	3.0	Stainless steel	Specify in enquiry
d 60,00 / D 75,0	3.0	Stainless steel	Specify in enquiry
d 63,00 / D 80,0	3.0	Stainless steel	Specify in enquiry
d 65,00 / D 85,0	3.5	Stainless steel	Specify in enquiry
d 70,00 / D 90,0	3.5	Stainless steel	Specify in enquiry
d 75,00 / D 95,0	3.5	Stainless steel	Specify in enquiry
d 80,00 / D 100,0	3.5	Stainless steel	Specify in enquiry
d 85,00 / D 105,0	3.5	Stainless steel	Specify in enquiry
d 90,00 / D 110,0	3.5	Stainless steel	Specify in enquiry
d 95,00 / D 115,0	3.5	Stainless steel	Specify in enquiry
d 100,00 / D 120,0	3.5	Stainless steel	Specify in enquiry
d 100,00 / D 125,0	3.5	Stainless steel	Specify in enquiry
d 105,00 / D 130,0	3.5	Stainless steel	Specify in enquiry
d 110,00 / D 140,0	3.5	Stainless steel	Specify in enquiry
d 120,00 / D 150,0	3.5	Stainless steel	Specify in enquiry
d 130,00 / D 160,0	3.5	Stainless steel	Specify in enquiry
d 140,00 / D 170,0	3.5	Stainless steel	Specify in enquiry
d 150,00 / D 180,0	3.5	Stainless steel	Specify in enquiry
d 160,00 / D 190,0	3.5	Stainless steel	Specify in enquiry
d 170,00 / D 200,0	3.5	Stainless steel	Specify in enquiry

Ring dimensions · mm

A dash means an undocumented value, not zero.

Reference mm	d	D	s
d 10,00 / D 16,0	10,00	16,0	1,200
d 100,00 / D 120,0	100,00	120,0	3,500
d 100,00 / D 125,0	100,00	125,0	3,500
d 105,00 / D 130,0	105,00	130,0	3,500
d 11,00 / D 17,0	11,00	17,0	1,200
d 110,00 / D 140,0	110,00	140,0	3,500
d 12,00 / D 18,0	12,00	18,0	1,200
d 120,00 / D 150,0	120,00	150,0	3,500
d 13,00 / D 19,0	13,00	19,0	1,500
d 130,00 / D 160,0	130,00	160,0	3,500

Reference mm	d	D	s
d 14,00 / D 20,0	14,00	20,0	1,500
d 140,00 / D 170,0	140,00	170,0	3,500
d 15,00 / D 21,0	15,00	21,0	1,500
d 15,00 / D 22,0	15,00	22,0	1,500
d 150,00 / D 180,0	150,00	180,0	3,500
d 16,00 / D 22,0	16,00	22,0	1,500
d 160,00 / D 190,0	160,00	190,0	3,500
d 17,00 / D 24,0	17,00	24,0	1,500
d 170,00 / D 200,0	170,00	200,0	3,500
d 18,00 / D 25,0	18,00	25,0	1,500
d 19,00 / D 26,0	19,00	26,0	1,500
d 20,00 / D 28,0	20,00	28,0	2,000
d 22,00 / D 30,0	22,00	30,0	2,000
d 22,00 / D 32,0	22,00	32,0	2,000
d 25,00 / D 35,0	25,00	35,0	2,000
d 25,00 / D 36,0	25,00	36,0	2,000
d 26,00 / D 37,0	26,00	37,0	2,000
d 28,00 / D 40,0	28,00	40,0	2,000
d 3,00 / D 6,0	3,00	6,0	1,000
d 30,00 / D 42,0	30,00	42,0	2,500
d 32,00 / D 45,0	32,00	45,0	2,500
d 35,00 / D 45,0	35,00	45,0	2,500
d 36,00 / D 45,0	36,00	45,0	2,500
d 37,00 / D 47,0	37,00	47,0	2,500
d 4,00 / D 8,0	4,00	8,0	1,000
d 40,00 / D 50,0	40,00	50,0	2,500
d 42,00 / D 52,0	42,00	52,0	2,500
d 45,00 / D 55,0	45,00	55,0	3,000
d 45,00 / D 56,0	45,00	56,0	3,000
d 48,00 / D 60,0	48,00	60,0	3,000
d 5,00 / D 10,0	5,00	10,0	1,000
d 50,00 / D 62,0	50,00	62,0	3,000
d 50,00 / D 63,0	50,00	63,0	3,000
d 52,00 / D 65,0	52,00	65,0	3,000

Reference mm	d	D	s
d 55,00 / D 68,0	55,00	68,0	3,000
d 56,00 / D 70,0	56,00	70,0	3,000
d 56,00 / D 72,0	56,00	72,0	3,000
d 6,00 / D 12,0	6,00	12,0	1,200
d 60,00 / D 75,0	60,00	75,0	3,000
d 63,00 / D 80,0	63,00	80,0	3,000
d 65,00 / D 85,0	65,00	85,0	3,500
d 7,00 / D 13,0	7,00	13,0	1,200
d 70,00 / D 90,0	70,00	90,0	3,500
d 75,00 / D 95,0	75,00	95,0	3,500
d 8,00 / D 14,0	8,00	14,0	1,200
d 80,00 / D 100,0	80,00	100,0	3,500
d 85,00 / D 105,0	85,00	105,0	3,500
d 9,00 / D 15,0	9,00	15,0	1,200
d 90,00 / D 110,0	90,00	110,0	3,500
d 95,00 / D 115,0	95,00	115,0	3,500

Request a quote

Specify type, standard, diameter, material, finish, quantity, application and required delivery. Attach the seat drawing. Other materials and finishes are available on request.
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