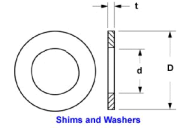




# MBA

## Washers - Flat - Brass - Commercial



Flat washers.

Please note! Tolerances for commercial grade washers are much larger than for precision washers.

In most cases the actual washer size will be larger than the nominal ID and smaller than the nominal OD.

### Washers - Flat - Brass - Commercial

Part Number	Nom. ID (d) mm <i>inches</i>	Nom. OD (D) mm <i>inches</i>	Thickness (T) mm <i>inches</i>	Other	Tolerances	Material
WF0017-0032-04-B	1.65 <i>0.065</i>	3.18 <i>0.125</i>	0.43 <i>0.017</i>	To Suit 0 UN Screw	AS1237 / DIN125	Brass
WF0017-0048-04-B	1.70 <i>0.067</i>	4.76 <i>0.187</i>	0.43 <i>0.017</i>	To Suit 0 UN Screw	AS1237 / DIN125	Brass
WF0021-0047-03-BN	2.10 <i>0.083</i>	4.70 <i>0.185</i>	0.30 <i>0.012</i>	To Suit M2 Screw	AS1237 / DIN125	Nickel Plated Brass
WF0021-0050-03-B	2.10 <i>0.083</i>	5.00 <i>0.197</i>	0.30 <i>0.012</i>	To Suit M2 Screw	AS1237 / DIN125	Brass

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## Washers - Flat - Brass - Commercial

Part Number	Nom. ID (d) mm <i>inches</i>	Nom. OD (D) mm <i>inches</i>	Thickness (T) mm <i>inches</i>	Other	Tolerances	Material
WF0027-0065-05-B	2.70 <i>0.106</i>	6.50 <i>0.256</i>	0.50 <i>0.020</i>	To Suit M2.5 Screw	AS1237 / DIN125	Brass
WF0032-0070-05-B	3.20 <i>0.126</i>	7.00 <i>0.276</i>	0.50 <i>0.020</i>	To Suit M3 Screw	AS1237 / DIN125	Brass
WF0032-0079-07-B	3.20 <i>0.126</i>	7.94 <i>0.313</i>	0.72 <i>0.028</i>	To Suit M3 Screw	AS1237 / DIN125	Brass
WF0032-0095-07-B	3.20 <i>0.126</i>	9.53 <i>0.375</i>	0.72 <i>0.028</i>	To Suit M3 Screw	AS1237 / DIN125	Brass
WF0043-0090-08-B	4.30 <i>0.169</i>	9.00 <i>0.354</i>	0.80 <i>0.031</i>	To Suit M4, 5/32 or 8UN Screw	AS1237 / DIN125	Brass
WF0043-0095-07-B	4.30 <i>0.169</i>	9.53 <i>0.375</i>	0.72 <i>0.028</i>	To Suit M4, 5/32 or 8UN Screw	AS1237 / DIN125	Brass
WF0043-0111-07-B	4.30 <i>0.169</i>	11.11 <i>0.437</i>	0.72 <i>0.028</i>	To Suit M4, 5/32 or 8UN Screw	AS1237 / DIN125	Brass
WF0049-0111-07-B	4.90 <i>0.193</i>	11.11 <i>0.437</i>	0.72 <i>0.028</i>	To Suit 3/16 or 10UN Screw	AS1237 / DIN125	Brass
# WF0049-0127-07-B	4.90 <i>0.193</i>	12.70 <i>0.500</i>	0.72 <i>0.028</i>	To Suit 3/16 or 10UN Screw	AS1237 / DIN125	Brass

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## Washers - Flat - Brass - Commercial

Part Number	Nom. ID (d) mm <i>inches</i>	Nom. OD (D) mm <i>inches</i>	Thickness (T) mm <i>inches</i>	Other	Tolerances	Material
# WF0049-0159-09-B	4.90 <i>0.193</i>	15.88 <i>0.625</i>	0.91 <i>0.036</i>	To Suit 3/16 or 10UN Screw	AS1237 / DIN125	Brass
WF0053-0100-08-B	5.30 <i>0.209</i>	10.00 <i>0.394</i>	0.80 <i>0.031</i>	To Suit M5 Screw	AS1237 / DIN125	Brass
WF0064-0125-10-B	6.40 <i>0.252</i>	12.50 <i>0.492</i>	1.00 <i>0.039</i>	To Suit M6 Screw	AS1237 / DIN125	Brass
# WF0067-0127-07-B	6.70 <i>0.264</i>	12.70 <i>0.500</i>	0.72 <i>0.028</i>	To Suit 1/4 Screw	AS1237 / DIN125	Brass
# WF0067-0143-09-B	6.70 <i>0.264</i>	14.29 <i>0.563</i>	0.91 <i>0.036</i>	To Suit 1/4 Screw	AS1237 / DIN125	Brass
# WF0067-0159-09-B	6.70 <i>0.264</i>	15.88 <i>0.625</i>	0.91 <i>0.036</i>	To Suit 1/4 Screw	AS1237 / DIN125	Brass
WF0083-0159-10-B	8.30 <i>0.327</i>	15.88 <i>0.625</i>	1.02 <i>0.040</i>	To Suit 5/16 Screw	AS1237 / DIN125	Brass
# WF0083-0191-10-B	8.30 <i>0.327</i>	19.05 <i>0.750</i>	1.02 <i>0.040</i>	To Suit 5/16 Screw	AS1237 / DIN125	Brass
# WF0083-0222-10-B	8.30 <i>0.327</i>	22.23 <i>0.875</i>	1.02 <i>0.040</i>	To Suit 5/16 Screw	AS1237 / DIN125	Brass
WF0084-0170-12-B	8.40 <i>0.331</i>	17.00 <i>0.669</i>	1.20 <i>0.047</i>	To Suit M8 Bolt	AS1237 / DIN125	Brass

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Part Number	Nom. ID (d) mm <i>inches</i>	Nom. OD (D) mm <i>inches</i>	Thickness (T) mm <i>inches</i>	Other	Tolerances	Material
# WF0098-0191-10-B	9.80 <i>0.386</i>	19.05 <i>0.750</i>	1.02 <i>0.040</i>	To Suit 3/8 Bolt	AS1237 / DIN125	Brass
# WF0098-0222-10-B	9.80 <i>0.386</i>	22.23 <i>0.875</i>	1.02 <i>0.040</i>	To Suit 3/8 Bolt	AS1237 / DIN125	Brass
# WF0098-0254-13-B	9.80 <i>0.386</i>	25.40 <i>1.000</i>	1.29 <i>0.051</i>	To Suit 3/8 Bolt	AS1237 / DIN125	Brass
WF0105-0210-12-B	10.50 <i>0.413</i>	21.00 <i>0.827</i>	1.20 <i>0.047</i>	To Suit M10 Bolt	AS1237 / DIN125	Brass
# WF0120-0222-13-B	12.00 <i>0.472</i>	22.23 <i>0.875</i>	1.29 <i>0.051</i>	To Suit 7/16 Bolt	AS1237 / DIN125	Brass
# WF0120-0254-13-B	12.00 <i>0.472</i>	25.40 <i>1.000</i>	1.29 <i>0.051</i>	To Suit 7/16 Bolt	AS1237 / DIN125	Brass
# WF0132-0240-16-B	13.20 <i>0.520</i>	24.00 <i>0.945</i>	1.60 <i>0.063</i>	To Suit M12 Bolt	AS1237 / DIN125	Brass
# WF0135-0254-13-B	13.50 <i>0.531</i>	25.40 <i>1.000</i>	1.29 <i>0.051</i>	To Suit 1/2 Bolt	AS1237 / DIN125	Brass
# WF0135-0286-13-B	13.50 <i>0.531</i>	28.58 <i>1.125</i>	1.29 <i>0.051</i>	To Suit 1/2 Bolt	AS1237 / DIN125	Brass
# WF0152-0286-13-B	15.20 <i>0.598</i>	28.58 <i>1.125</i>	1.29 <i>0.051</i>	To Suit 9/16 Bolt	AS1237 / DIN125	Brass

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Part Number	Nom. ID (d) mm <i>inches</i>	Nom. OD (D) mm <i>inches</i>	Thickness (T) mm <i>inches</i>	Other	Tolerances	Material
# WF0169-0318-13-B	16.90 <i>0.665</i>	31.75 <i>1.250</i>	1.29 <i>0.051</i>	To Suit 5/8 Bolt	AS1237 / DIN125	Brass
# WF0169-0349-13-B	16.90 <i>0.665</i>	34.93 <i>1.375</i>	1.29 <i>0.051</i>	To Suit 5/8 Bolt	AS1237 / DIN125	Brass
# WF0170-0335-20-B	17.00 <i>0.669</i>	33.50 <i>1.319</i>	2.00 <i>0.079</i>	To Suit M16 Bolt	AS1237 / DIN125	Brass
# WF0201-0381-16-B	20.10 <i>0.791</i>	38.10 <i>1.500</i>	1.63 <i>0.064</i>	To Suit 3/4 Bolt	AS1237 / DIN125	Brass
# WF0210-0370-20-B	21.00 <i>0.827</i>	37.00 <i>1.457</i>	2.00 <i>0.079</i>	To Suit M20 Bolt	AS1237 / DIN125	Brass
# WF0230-0413-16-B	23.00 <i>0.906</i>	41.28 <i>1.625</i>	1.63 <i>0.064</i>	To Suit M22 Bolt	AS1237 / DIN125	Brass
# WF0250-0440-20-B	25.00 <i>0.984</i>	44.00 <i>1.732</i>	2.00 <i>0.079</i>	To Suit M24 Bolt	AS1237 / DIN125	Brass
# WF0264-0476-16-B	26.40 <i>1.039</i>	47.63 <i>1.875</i>	1.63 <i>0.064</i>	To Suit 1 Inch Bolt	AS1237 / DIN125	Brass
# WF0264-0540-16-B	26.40 <i>1.039</i>	53.98 <i>2.125</i>	1.63 <i>0.064</i>	To Suit 1 Inch Bolt	AS1237 / DIN125	Brass

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