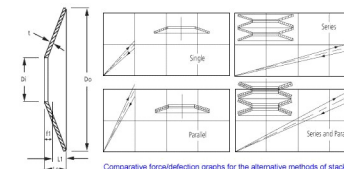




# MBA

## Washers - Disc Spring - Stainless Steel



Also known as belleville washers.

Manufactured under strict quality control to conform to DIN 2093

### Washers - Disc Spring - Stainless Steel

Part Number	ID (Di) mm	OD (Do) mm	Stock Thickness (t) mm	Load to flatten kg	Loaded Height (L1) mm	Spring Force at L1 kg	Material	Type	Free Height (L0) mm
	<i>inches</i>	<i>inches</i>	<i>inches</i>		<i>inches</i>				<i>inches</i>
# WDS0024-0048-2	2.36	4.75	0.25	12.41	0.30	6.8	302 Stainless	Disc Spring Washer	0.38
	<i>0.093</i>	<i>0.187</i>	<i>0.010</i>		<i>0.012</i>				<i>0.015</i>
# WDS0032-0064-2	3.18	6.35	0.34	21.43	0.43	11.7	302 Stainless	Disc Spring Washer	0.51
	<i>0.125</i>	<i>0.250</i>	<i>0.013</i>		<i>0.017</i>				<i>0.020</i>
WDS0032-0060-17	3.20	6.00	0.30	-	0.34	12	Stainless Steel (17-7 PH)	Disc Spring Washer	0.45
	<i>0.126</i>	<i>0.236</i>	<i>0.012</i>		<i>0.013</i>				<i>0.018</i>

# Indicates item not stocked at time of printing - Please enquire for lead time

E&OE Pricing and all details subject to change without notice - Copyright Miniature Bearings Australia Pty Ltd

MBA Size Listings are a guide to sizes only and must not be solely relied on for critical design information.

## Washers - Disc Spring - Stainless Steel

Part Number	ID (Di) mm	OD (Do) mm	Stock Thickness (t) mm	Load to flatten kg	Loaded Height (L1) mm	Spring Force at L1 kg	Material	Type	Free Height (L0) mm
	<i>inches</i>	<i>inches</i>	<i>inches</i>		<i>inches</i>				<i>inches</i>
# WDS0032-0080-17	3.20	8.00	0.30	-	0.36	10	Stainless Steel (17-7 PH)	Disc Spring Washer	0.55
	<i>0.126</i>	<i>0.315</i>	<i>0.012</i>		<i>0.014</i>				<i>0.022</i>
# WDS0032-008019-17	3.20	8.00	0.40	-	0.45	19	Stainless Steel (17-7 PH)	Disc Spring Washer	0.60
	<i>0.126</i>	<i>0.315</i>	<i>0.016</i>		<i>0.018</i>				<i>0.024</i>
# WDS0040-0079-2	3.96	7.92	0.41	33.48	0.53	18.3	302 Stainless	Disc Spring Washer	0.635
	<i>0.156</i>	<i>0.312</i>	<i>0.016</i>		<i>0.021</i>				<i>0.025</i>
WDS0042-008012-17	4.20	8.00	0.30	-	0.36	12	Stainless Steel (17-7 PH)	Disc Spring Washer	0.55
	<i>0.165</i>	<i>0.315</i>	<i>0.012</i>		<i>0.014</i>				<i>0.022</i>
WDS0042-008021-17	4.20	8.00	0.40	-	0.45	21	Stainless Steel (17-7 PH)	Disc Spring Washer	0.60
	<i>0.165</i>	<i>0.315</i>	<i>0.016</i>		<i>0.018</i>				<i>0.024</i>
# WDS0048-0095-2	4.83	9.53	0.51	49.11	0.64	26.8	302 Stainless	Disc Spring Washer	0.76
	<i>0.190</i>	<i>0.375</i>	<i>0.020</i>		<i>0.025</i>				<i>0.030</i>
WDS0052-0100-17	5.20	10.00	0.40	-	0.48	21	Stainless Steel (17-7 PH)	Disc Spring Washer	0.70
	<i>0.205</i>	<i>0.394</i>	<i>0.016</i>		<i>0.019</i>				<i>0.028</i>
WDS0052-010033-17	5.20	10.00	0.50	-	0.56	33	Stainless Steel (17-7 PH)	Disc Spring Washer	0.75
	<i>0.205</i>	<i>0.394</i>	<i>0.020</i>		<i>0.022</i>				<i>0.030</i>

# Indicates item not stocked at time of printing - Please enquire for lead time

E&OE Pricing and all details subject to change without notice - Copyright Miniature Bearings Australia Pty Ltd

MBA Size Listings are a guide to sizes only and must not be solely relied on for critical design information.

## Washers - Disc Spring - Stainless Steel

Part Number	ID (Di) mm	OD (Do) mm	Stock Thickness (t) mm	Load to flatten kg	Loaded Height (L1) mm	Spring Force at L1 kg	Material	Type	Free Height (L0) mm
	<i>inches</i>	<i>inches</i>	<i>inches</i>		<i>inches</i>				<i>inches</i>
# WDS0052-0120-17	5.20	12.00	0.60	-	0.69	51	Stainless Steel (17-7 PH)	Disc Spring Washer	0.95
	<i>0.205</i>	<i>0.472</i>	<i>0.024</i>		<i>0.027</i>				<i>0.037</i>
# WDS0052-0150-17	5.20	15.00	0.40	-	0.54	18	Stainless Steel (17-7 PH)	Disc Spring Washer	0.95
	<i>0.205</i>	<i>0.591</i>	<i>0.016</i>		<i>0.021</i>				<i>0.037</i>
# WDS0052-015056-17	5.20	15.00	0.70	-	0.80	56	Stainless Steel (17-7 PH)	Disc Spring Washer	1.10
	<i>0.205</i>	<i>0.591</i>	<i>0.028</i>		<i>0.031</i>				<i>0.043</i>
WDS0062-0120-17	6.20	12.00	0.50	-	0.59	33	Stainless Steel (17-7 PH)	Disc Spring Washer	0.85
	<i>0.244</i>	<i>0.472</i>	<i>0.020</i>		<i>0.023</i>				<i>0.033</i>
# WDS0062-0125-17	6.20	12.50	0.50	-	0.59	29	Stainless Steel (17-7 PH)	Disc Spring Washer	0.85
	<i>0.244</i>	<i>0.492</i>	<i>0.020</i>		<i>0.023</i>				<i>0.033</i>
WDS0062-0125-4	6.20	12.50	0.70	-	0.22	60	304 Stainless	Disc Spring Washer	1.00
	<i>0.244</i>	<i>0.492</i>	<i>0.028</i>		<i>0.009</i>				<i>0.039</i>
# WDS0062-012566-17	6.20	12.50	0.70	-	0.78	66	Stainless Steel (17-7 PH)	Disc Spring Washer	1.00
	<i>0.244</i>	<i>0.492</i>	<i>0.028</i>		<i>0.031</i>				<i>0.039</i>
# WDS0062-0150-17	6.20	15.00	0.50	-	0.63	29	Stainless Steel (17-7 PH)	Disc Spring Washer	1.00
	<i>0.244</i>	<i>0.591</i>	<i>0.020</i>		<i>0.025</i>				<i>0.039</i>

# Indicates item not stocked at time of printing - Please enquire for lead time

E&OE Pricing and all details subject to change without notice - Copyright Miniature Bearings Australia Pty Ltd

MBA Size Listings are a guide to sizes only and must not be solely relied on for critical design information.

## Washers - Disc Spring - Stainless Steel

Part Number	ID (Di) mm	OD (Do) mm	Stock Thickness (t) mm	Load to flatten kg	Loaded Height (L1) mm	Spring Force at L1 kg	Material	Type	Free Height (L0) mm
	<i>inches</i>	<i>inches</i>	<i>inches</i>		<i>inches</i>				<i>inches</i>
# WDS0062-0180-17	6.20	18.00	0.80	-	0.92	73	Stainless Steel (17-7 PH)	Disc Spring Washer	1.30
	<i>0.244</i>	<i>0.709</i>	<i>0.031</i>		<i>0.036</i>				<i>0.051</i>
WDS0065-0127-2	6.48	12.70	0.64	71.43	0.79	42.4	302 Stainless	Disc Spring Washer	0.97
	<i>0.255</i>	<i>0.500</i>	<i>0.025</i>		<i>0.031</i>				<i>0.038</i>
# WDS0072-0140-17	7.20	14.00	0.50	-	0.60	28	Stainless Steel (17-7 PH)	Disc Spring Washer	0.90
	<i>0.283</i>	<i>0.551</i>	<i>0.020</i>		<i>0.024</i>				<i>0.035</i>
# WDS0072-014080-17	7.20	14.00	0.80	-	0.87	80	Stainless Steel (17-7 PH)	Disc Spring Washer	1.10
	<i>0.283</i>	<i>0.551</i>	<i>0.031</i>		<i>0.034</i>				<i>0.043</i>
WDS0081-0159-2	8.05	15.88	0.81	116.07	1.02	64.7	302 Stainless	Disc Spring Washer	1.22
	<i>0.317</i>	<i>0.625</i>	<i>0.032</i>		<i>0.040</i>				<i>0.048</i>
WDS0082-0150-17	8.20	15.00	0.70	-	0.80	67	Stainless Steel (17-7 PH)	Disc Spring Washer	1.10
	<i>0.323</i>	<i>0.591</i>	<i>0.028</i>		<i>0.031</i>				<i>0.043</i>
# WDS0082-015008-4	8.20	15.00	0.80	-	0.25	89	304 Stainless	Disc Spring Washer	1.20
	<i>0.323</i>	<i>0.591</i>	<i>0.031</i>		<i>0.010</i>				<i>0.047</i>
# WDS0082-0160-17	8.20	16.00	0.40	-	0.53	15	Stainless Steel (17-7 PH)	Disc Spring Washer	0.90
	<i>0.323</i>	<i>0.630</i>	<i>0.016</i>		<i>0.021</i>				<i>0.035</i>

# Indicates item not stocked at time of printing - Please enquire for lead time

E&OE Pricing and all details subject to change without notice - Copyright Miniature Bearings Australia Pty Ltd

MBA Size Listings are a guide to sizes only and must not be solely relied on for critical design information.

## Washers - Disc Spring - Stainless Steel

Part Number	ID (Di) mm	OD (Do) mm	Stock Thickness (t) mm	Load to flatten kg	Loaded Height (L1) mm	Spring Force at L1 kg	Material	Type	Free Height (L0) mm
	<i>inches</i>	<i>inches</i>	<i>inches</i>		<i>inches</i>				<i>inches</i>
WDS0082-016041-17	8.20	16.00	0.60	-	0.71	41	Stainless Steel (17-7 PH)	Disc Spring Washer	1.05
	<i>0.323</i>	<i>0.630</i>	<i>0.024</i>		<i>0.028</i>				<i>0.041</i>
# WDS0082-016083-17	8.20	16.00	0.80	-	0.90	83	Stainless Steel (17-7 PH)	Disc Spring Washer	1.20
	<i>0.323</i>	<i>0.630</i>	<i>0.031</i>		<i>0.035</i>				<i>0.047</i>
# WDS0082-0160101-17	8.20	16.00	0.90	-	0.99	101	Stainless Steel (17-7 PH)	Disc Spring Washer	1.25
	<i>0.323</i>	<i>0.630</i>	<i>0.035</i>		<i>0.039</i>				<i>0.049</i>
# WDS0082-0160-4	8.20	16.00	0.90	N/A	0.26	93.0	304 Stainless	Disc Spring Washer	1.25
	<i>0.323</i>	<i>0.630</i>	<i>0.035</i>		<i>0.010</i>				<i>0.049</i>
# WDS0082-0200-17	8.20	20.00	0.90	-	1.04	95	Stainless Steel (17-7 PH)	Disc Spring Washer	1.45
	<i>0.323</i>	<i>0.787</i>	<i>0.035</i>		<i>0.041</i>				<i>0.057</i>
# WDS0082-0230-17	8.20	23.00	0.70	-	0.90	54	Stainless Steel (17-7 PH)	Disc Spring Washer	1.50
	<i>0.323</i>	<i>0.906</i>	<i>0.028</i>		<i>0.035</i>				<i>0.059</i>
# WDS0082-023072-17	8.20	23.00	0.80	-	0.99	72	Stainless Steel (17-7 PH)	Disc Spring Washer	1.55
	<i>0.323</i>	<i>0.906</i>	<i>0.031</i>		<i>0.039</i>				<i>0.061</i>
# WDS0092-0180-17	9.20	18.00	0.45	-	0.60	21	Stainless Steel (17-7 PH)	Disc Spring Washer	1.05
	<i>0.362</i>	<i>0.709</i>	<i>0.018</i>		<i>0.024</i>				<i>0.041</i>

# Indicates item not stocked at time of printing - Please enquire for lead time

E&OE Pricing and all details subject to change without notice - Copyright Miniature Bearings Australia Pty Ltd

MBA Size Listings are a guide to sizes only and must not be solely relied on for critical design information.

## Washers - Disc Spring - Stainless Steel

Part Number	ID (Di) mm	OD (Do) mm	Stock Thickness (t) mm	Load to flatten kg	Loaded Height (L1) mm	Spring Force at L1 kg	Material	Type	Free Height (L0) mm
	<i>inches</i>	<i>inches</i>	<i>inches</i>		<i>inches</i>				<i>inches</i>
# WDS0092-018057-17	9.20	18.00	0.70	-	0.83	57	Stainless Steel (17-7 PH)	Disc Spring Washer	1.20
	<i>0.362</i>	<i>0.709</i>	<i>0.028</i>		<i>0.033</i>				<i>0.047</i>
# WDS0092-0180125-17	9.20	18.00	1.00	-	1.10	125	Stainless Steel (17-7 PH)	Disc Spring Washer	1.40
	<i>0.362</i>	<i>0.709</i>	<i>0.039</i>		<i>0.043</i>				<i>0.055</i>
# WDS0097-0191-2	9.65	19.05	1.02	185.27	1.24	104.9	302 Stainless	Disc Spring Washer	1.50
	<i>0.380</i>	<i>0.750</i>	<i>0.040</i>		<i>0.049</i>				<i>0.059</i>
# WDS0102-0200-17	10.20	20.00	0.50	-	0.66	25	Stainless Steel (17-7 PH)	Disc Spring Washer	1.15
	<i>0.402</i>	<i>0.787</i>	<i>0.020</i>		<i>0.026</i>				<i>0.045</i>
# WDS0102-020075-17	10.20	20.00	0.80	-	0.94	75	Stainless Steel (17-7 PH)	Disc Spring Washer	1.35
	<i>0.402</i>	<i>0.787</i>	<i>0.031</i>		<i>0.037</i>				<i>0.053</i>
# WDS0102-0200105-17	10.20	20.00	0.90	-	1.04	105	Stainless Steel (17-7 PH)	Disc Spring Washer	1.45
	<i>0.402</i>	<i>0.787</i>	<i>0.035</i>		<i>0.041</i>				<i>0.057</i>
# WDS0102-0200-4	10.20	20.00	1.10	N/A	0.34	140.0	304 Stainless	Disc Spring Washer	1.55
	<i>0.402</i>	<i>0.787</i>	<i>0.043</i>		<i>0.013</i>				<i>0.061</i>
# WDS0102-0200152-17	10.20	20.00	1.10	-	1.21	152	Stainless Steel (17-7 PH)	Disc Spring Washer	1.55
	<i>0.402</i>	<i>0.787</i>	<i>0.043</i>		<i>0.048</i>				<i>0.061</i>

# Indicates item not stocked at time of printing - Please enquire for lead time

E&OE Pricing and all details subject to change without notice - Copyright Miniature Bearings Australia Pty Ltd

MBA Size Listings are a guide to sizes only and must not be solely relied on for critical design information.

## Washers - Disc Spring - Stainless Steel

Part Number	ID (Di) mm	OD (Do) mm	Stock Thickness (t) mm	Load to flatten kg	Loaded Height (L1) mm	Spring Force at L1 kg	Material	Type	Free Height (L0) mm
	<i>inches</i>	<i>inches</i>	<i>inches</i>		<i>inches</i>				<i>inches</i>
# WDS0102-0200248-17	10.20	20.00	1.25	-	1.38	248	Stainless Steel (17-7 PH)	Disc Spring Washer	1.75
	<i>0.402</i>	<i>0.787</i>	<i>0.049</i>		<i>0.054</i>				<i>0.069</i>
# WDS0102-0200252-17	10.20	20.00	1.50	-	1.58	252	Stainless Steel (17-7 PH)	Disc Spring Washer	1.80
	<i>0.402</i>	<i>0.787</i>	<i>0.059</i>		<i>0.062</i>				<i>0.071</i>
# WDS0102-0230-17	10.20	23.00	1.00	-	1.17	132	Stainless Steel (17-7 PH)	Disc Spring Washer	1.70
	<i>0.402</i>	<i>0.906</i>	<i>0.039</i>		<i>0.046</i>				<i>0.067</i>
# WDS0102-0280-17	10.20	28.00	1.25	-	1.45	185	Stainless Steel (17-7 PH)	Disc Spring Washer	2.05
	<i>0.402</i>	<i>1.102</i>	<i>0.049</i>		<i>0.057</i>				<i>0.081</i>
# WDS0112-0225-17	11.20	22.50	0.60	-	0.80	43	Stainless Steel (17-7 PH)	Disc Spring Washer	1.40
	<i>0.441</i>	<i>0.886</i>	<i>0.024</i>		<i>0.031</i>				<i>0.055</i>
# WDS0112-022571-17	11.20	22.50	0.80	-	0.96	71	Stainless Steel (17-7 PH)	Disc Spring Washer	1.45
	<i>0.441</i>	<i>0.886</i>	<i>0.031</i>		<i>0.038</i>				<i>0.057</i>
# WDS0112-0225193-17	11.20	22.50	1.25	-	1.38	193	Stainless Steel (17-7 PH)	Disc Spring Washer	1.75
	<i>0.441</i>	<i>0.886</i>	<i>0.049</i>		<i>0.054</i>				<i>0.069</i>
# WDS0122-0230-17	12.20	23.00	1.50	-	1.63	330	Stainless Steel (17-7 PH)	Disc Spring Washer	2.00
	<i>0.480</i>	<i>0.906</i>	<i>0.059</i>		<i>0.064</i>				<i>0.079</i>

# Indicates item not stocked at time of printing - Please enquire for lead time

E&OE Pricing and all details subject to change without notice - Copyright Miniature Bearings Australia Pty Ltd

MBA Size Listings are a guide to sizes only and must not be solely relied on for critical design information.

## Washers - Disc Spring - Stainless Steel

Part Number	ID (Di) mm	OD (Do) mm	Stock Thickness (t) mm	Load to flatten kg	Loaded Height (L1) mm	Spring Force at L1 kg	Material	Type	Free Height (L0) mm
	<i>inches</i>	<i>inches</i>	<i>inches</i>		<i>inches</i>				<i>inches</i>
# WDS0122-0250-17	12.20	25.00	0.70	-	0.92	60	Stainless Steel (17-7 PH)	Disc Spring Washer	1.60
	<i>0.480</i>	<i>0.984</i>	<i>0.028</i>		<i>0.036</i>				<i>0.063</i>
# WDS0122-025086-17	12.20	25.00	0.90	-	1.07	86	Stainless Steel (17-7 PH)	Disc Spring Washer	1.60
	<i>0.480</i>	<i>0.984</i>	<i>0.035</i>		<i>0.042</i>				<i>0.063</i>
# WDS0122-0250221-17	12.20	25.00	1.25	-	1.42	221	Stainless Steel (17-7 PH)	Disc Spring Washer	1.95
	<i>0.480</i>	<i>0.984</i>	<i>0.049</i>		<i>0.056</i>				<i>0.077</i>
# WDS0122-0250292-17	12.20	25.00	1.50	-	1.64	292	Stainless Steel (17-7 PH)	Disc Spring Washer	2.05
	<i>0.480</i>	<i>0.984</i>	<i>0.059</i>		<i>0.065</i>				<i>0.081</i>
# WDS0122-0250-4	12.20	25.00	1.50	-	0.41	268.0	304 Stainless	Disc Spring Washer	2.05
	<i>0.480</i>	<i>0.984</i>	<i>0.059</i>		<i>0.016</i>				<i>0.081</i>
# WDS0122-0280-17	12.20	28.00	1.00	-	1.24	127	Stainless Steel (17-7 PH)	Disc Spring Washer	1.95
	<i>0.480</i>	<i>1.102</i>	<i>0.039</i>		<i>0.049</i>				<i>0.077</i>
# WDS0122-0280308-17	12.20	28.00	1.50	-	1.69	308	Stainless Steel (17-7 PH)	Disc Spring Washer	2.25
	<i>0.480</i>	<i>1.102</i>	<i>0.059</i>		<i>0.067</i>				<i>0.089</i>
# WDS0128-0254-2	12.83	25.40	1.27	267.86	1.57	151.8	302 Stainless	Disc Spring Washer	1.91
	<i>0.505</i>	<i>1.000</i>	<i>0.050</i>		<i>0.062</i>				<i>0.075</i>

# Indicates item not stocked at time of printing - Please enquire for lead time

E&OE Pricing and all details subject to change without notice - Copyright Miniature Bearings Australia Pty Ltd

MBA Size Listings are a guide to sizes only and must not be solely relied on for critical design information.

## Washers - Disc Spring - Stainless Steel

Part Number	ID (Di) mm	OD (Do) mm	Stock Thickness (t) mm	Load to flatten kg	Loaded Height (L1) mm	Spring Force at L1 kg	Material	Type	Free Height (L0) mm
	<i>inches</i>	<i>inches</i>	<i>inches</i>		<i>inches</i>				<i>inches</i>
# WDS0142-0280-17	14.20	28.00	0.80	-	1.05	80	Stainless Steel (17-7 PH)	Disc Spring Washer	1.80
	<i>0.559</i>	<i>1.102</i>	<i>0.031</i>		<i>0.041</i>				<i>0.071</i>
# WDS0142-0280111-17	14.20	28.00	1.00	-	1.20	111	Stainless Steel (17-7 PH)	Disc Spring Washer	1.80
	<i>0.559</i>	<i>1.102</i>	<i>0.039</i>		<i>0.047</i>				<i>0.071</i>
# WDS0142-0280224-17	14.20	28.00	1.25	-	1.46	224	Stainless Steel (17-7 PH)	Disc Spring Washer	2.10
	<i>0.559</i>	<i>1.102</i>	<i>0.049</i>		<i>0.057</i>				<i>0.083</i>
# WDS0142-0280284-17	14.20	28.00	1.50	-	1.66	284	Stainless Steel (17-7 PH)	Disc Spring Washer	2.15
	<i>0.559</i>	<i>1.102</i>	<i>0.059</i>		<i>0.065</i>				<i>0.085</i>
# WDS0142-0340-17	14.20	34.00	1.25	-	1.54	199	Stainless Steel (17-7 PH)	Disc Spring Washer	2.40
	<i>0.559</i>	<i>1.339</i>	<i>0.049</i>		<i>0.061</i>				<i>0.094</i>
# WDS0142-0340298-17	14.20	34.00	1.50	-	1.76	298	Stainless Steel (17-7 PH)	Disc Spring Washer	2.55
	<i>0.559</i>	<i>1.339</i>	<i>0.059</i>		<i>0.069</i>				<i>0.100</i>
# WDS0142-0400-17	14.20	40.00	1.50	-	1.81	254	Stainless Steel (17-7 PH)	Disc Spring Washer	2.75
	<i>0.559</i>	<i>1.575</i>	<i>0.059</i>		<i>0.071</i>				<i>0.108</i>
# WDS0142-0400477-17	14.20	40.00	2.00	-	2.26	477	Stainless Steel (17-7 PH)	Disc Spring Washer	3.05
	<i>0.559</i>	<i>1.575</i>	<i>0.079</i>		<i>0.089</i>				<i>0.120</i>

# Indicates item not stocked at time of printing - Please enquire for lead time

E&OE Pricing and all details subject to change without notice - Copyright Miniature Bearings Australia Pty Ltd

MBA Size Listings are a guide to sizes only and must not be solely relied on for critical design information.

## Washers - Disc Spring - Stainless Steel

Part Number	ID (Di) mm	OD (Do) mm	Stock Thickness (t) mm	Load to flatten kg	Loaded Height (L1) mm	Spring Force at L1 kg	Material	Type	Free Height (L0) mm
	<i>inches</i>	<i>inches</i>	<i>inches</i>		<i>inches</i>				<i>inches</i>
# WDS0160-0318-2	16.00	31.75	1.57	388.39	1.96	212.1	302 Stainless	Disc Spring Washer	2.34
	<i>0.630</i>	<i>1.250</i>	<i>0.062</i>		<i>0.077</i>				<i>0.092</i>
# WDS0163-0315-17	16.30	31.50	0.80	-	1.06	69	Stainless Steel (17-7 PH)	Disc Spring Washer	1.85
	<i>0.642</i>	<i>1.240</i>	<i>0.031</i>		<i>0.042</i>				<i>0.073</i>
# WDS0163-0315191-17	16.30	31.50	1.25	-	1.48	191	Stainless Steel (17-7 PH)	Disc Spring Washer	2.15
	<i>0.642</i>	<i>1.240</i>	<i>0.049</i>		<i>0.058</i>				<i>0.085</i>
# WDS0163-0315323-17	16.30	31.50	1.50	-	1.73	323	Stainless Steel (17-7 PH)	Disc Spring Washer	2.40
	<i>0.642</i>	<i>1.240</i>	<i>0.059</i>		<i>0.068</i>				<i>0.094</i>
# WDS0163-0315-4	16.30	31.50	1.75	N/A	0.52	356.0	304 Stainless	Disc Spring Washer	2.45
	<i>0.642</i>	<i>1.240</i>	<i>0.069</i>		<i>0.020</i>				<i>0.096</i>
# WDS0163-0315387-17	16.30	31.50	1.75	-	1.92	387	Stainless Steel (17-7 PH)	Disc Spring Washer	2.45
	<i>0.642</i>	<i>1.240</i>	<i>0.069</i>		<i>0.076</i>				<i>0.096</i>
# WDS0163-0315617-17	16.30	31.50	2.00	-	2.19	617	Stainless Steel (17-7 PH)	Disc Spring Washer	2.75
	<i>0.642</i>	<i>1.240</i>	<i>0.079</i>		<i>0.086</i>				<i>0.108</i>
# WDS0163-0340-17	16.30	34.00	1.50	-	1.76	315	Stainless Steel (17-7 PH)	Disc Spring Washer	2.55
	<i>0.642</i>	<i>1.339</i>	<i>0.059</i>		<i>0.069</i>				<i>0.100</i>

# Indicates item not stocked at time of printing - Please enquire for lead time

E&OE Pricing and all details subject to change without notice - Copyright Miniature Bearings Australia Pty Ltd

MBA Size Listings are a guide to sizes only and must not be solely relied on for critical design information.

## Washers - Disc Spring - Stainless Steel

Part Number	ID (Di) mm	OD (Do) mm	Stock Thickness (t) mm	Load to flatten kg	Loaded Height (L1) mm	Spring Force at L1 kg	Material	Type	Free Height (L0) mm
	<i>inches</i>	<i>inches</i>	<i>inches</i>		<i>inches</i>				<i>inches</i>
# WDS0163-0340578-17	16.30	34.00	2.00	-	2.21	578	Stainless Steel (17-7 PH)	Disc Spring Washer	2.85
	<i>0.642</i>	<i>1.339</i>	<i>0.079</i>		<i>0.087</i>				<i>0.112</i>
# WDS0163-0400-17	16.30	40.00	2.00	-	2.28	517	Stainless Steel (17-7 PH)	Disc Spring Washer	3.10
	<i>0.642</i>	<i>1.575</i>	<i>0.079</i>		<i>0.090</i>				<i>0.122</i>
# WDS0183-0355-17	18.30	35.50	0.90	-	1.19	83	Stainless Steel (17-7 PH)	Disc Spring Washer	2.05
	<i>0.720</i>	<i>1.398</i>	<i>0.035</i>		<i>0.047</i>				<i>0.081</i>
# WDS0183-0355170-17	18.30	35.50	1.25	-	1.50	170	Stainless Steel (17-7 PH)	Disc Spring Washer	2.25
	<i>0.720</i>	<i>1.398</i>	<i>0.049</i>		<i>0.059</i>				<i>0.089</i>
# WDS0183-0355518-17	18.30	35.50	2.00	-	2.20	518	Stainless Steel (17-7 PH)	Disc Spring Washer	2.80
	<i>0.720</i>	<i>1.398</i>	<i>0.079</i>		<i>0.087</i>				<i>0.110</i>
# WDS0183-0500-17	18.30	50.00	1.50	-	1.95	260	Stainless Steel (17-7 PH)	Disc Spring Washer	3.30
	<i>0.720</i>	<i>1.969</i>	<i>0.059</i>		<i>0.077</i>				<i>0.130</i>
# WDS0191-0381-2	19.05	38.10	1.83	526.79	2.26	294.6	302 Stainless	Disc Spring Washer	2.73
	<i>0.750</i>	<i>1.500</i>	<i>0.072</i>		<i>0.089</i>				<i>0.107</i>
# WDS0204-0400-17	20.40	40.00	1.00	-	1.33	102	Stainless Steel (17-7 PH)	Disc Spring Washer	2.30
	<i>0.803</i>	<i>1.575</i>	<i>0.039</i>		<i>0.052</i>				<i>0.091</i>

# Indicates item not stocked at time of printing - Please enquire for lead time

E&OE Pricing and all details subject to change without notice - Copyright Miniature Bearings Australia Pty Ltd

MBA Size Listings are a guide to sizes only and must not be solely relied on for critical design information.

## Washers - Disc Spring - Stainless Steel

Part Number	ID (Di) mm	OD (Do) mm	Stock Thickness (t) mm	Load to flatten kg	Loaded Height (L1) mm	Spring Force at L1 kg	Material	Type	Free Height (L0) mm
	<i>inches</i>	<i>inches</i>	<i>inches</i>		<i>inches</i>				<i>inches</i>
# WDS0204-0400262-17	20.40	40.00	1.50	-	1.79	262	Stainless Steel (17-7 PH)	Disc Spring Washer	2.65
	<i>0.803</i>	<i>1.575</i>	<i>0.059</i>		<i>0.070</i>				<i>0.104</i>
# WDS0204-0400570-17	20.40	40.00	2.00	-	2.28	570	Stainless Steel (17-7 PH)	Disc Spring Washer	3.10
	<i>0.803</i>	<i>1.575</i>	<i>0.079</i>		<i>0.090</i>				<i>0.122</i>
# WDS0204-0400-4	20.40	40.00	2.25	N/A	0.67	597.0	304 Stainless	Disc Spring Washer	3.15
	<i>0.803</i>	<i>1.575</i>	<i>0.089</i>		<i>0.026</i>				<i>0.124</i>
# WDS0204-0400650-17	20.40	40.00	2.25	-	2.48	650	Stainless Steel (17-7 PH)	Disc Spring Washer	3.15
	<i>0.803</i>	<i>1.575</i>	<i>0.089</i>		<i>0.098</i>				<i>0.124</i>
# WDS0204-0400938-17	20.40	40.00	2.50	-	2.74	938	Stainless Steel (17-7 PH)	Disc Spring Washer	3.45
	<i>0.803</i>	<i>1.575</i>	<i>0.098</i>		<i>0.108</i>				<i>0.136</i>
# WDS0204-0500-17	20.40	50.00	2.50	-	2.84	792	Stainless Steel (17-7 PH)	Disc Spring Washer	3.85
	<i>0.803</i>	<i>1.969</i>	<i>0.098</i>		<i>0.112</i>				<i>0.152</i>
# WDS0224-0450-17	22.40	45.00	1.75	-	2.08	364	Stainless Steel (17-7 PH)	Disc Spring Washer	3.05
	<i>0.882</i>	<i>1.772</i>	<i>0.069</i>		<i>0.082</i>				<i>0.120</i>
# WDS0224-0450771-17	22.40	45.00	2.50	-	2.75	771	Stainless Steel (17-7 PH)	Disc Spring Washer	3.50
	<i>0.882</i>	<i>1.772</i>	<i>0.098</i>		<i>0.108</i>				<i>0.138</i>

# Indicates item not stocked at time of printing - Please enquire for lead time

E&OE Pricing and all details subject to change without notice - Copyright Miniature Bearings Australia Pty Ltd

MBA Size Listings are a guide to sizes only and must not be solely relied on for critical design information.

## Washers - Disc Spring - Stainless Steel

Part Number	ID (Di) mm	OD (Do) mm	Stock Thickness (t) mm	Load to flatten kg	Loaded Height (L1) mm	Spring Force at L1 kg	Material	Type	Free Height (L0) mm
	<i>inches</i>	<i>inches</i>	<i>inches</i>		<i>inches</i>				<i>inches</i>
# WDS0224-0500-17	22.40	50.00	2.50	-	2.85	851	Stainless Steel (17-7 PH)	Disc Spring Washer	3.90
	<i>0.882</i>	<i>1.969</i>	<i>0.098</i>		<i>0.112</i>				<i>0.154</i>
# WDS0254-0500-17	25.40	50.00	2.00	-	2.35	476	Stainless Steel (17-7 PH)	Disc Spring Washer	3.40
	<i>1.000</i>	<i>1.969</i>	<i>0.079</i>		<i>0.093</i>				<i>0.134</i>
# WDS0254-0500906-17	25.40	50.00	2.50	-	2.85	906	Stainless Steel (17-7 PH)	Disc Spring Washer	3.90
	<i>1.000</i>	<i>1.969</i>	<i>0.098</i>		<i>0.112</i>				<i>0.154</i>
# WDS0254-05001197-17	25.40	50.00	3.00	-	3.28	1197	Stainless Steel (17-7 PH)	Disc Spring Washer	4.10
	<i>1.000</i>	<i>1.969</i>	<i>0.118</i>		<i>0.129</i>				<i>0.161</i>
# WDS0254-0600-17	25.40	60.00	2.50	-	2.97	816	Stainless Steel (17-7 PH)	Disc Spring Washer	4.40
	<i>1.000</i>	<i>2.362</i>	<i>0.098</i>		<i>0.117</i>				<i>0.173</i>
# WDS0254-06001176-17	25.40	60.00	3.00	-	3.41	1176	Stainless Steel (17-7 PH)	Disc Spring Washer	4.65
	<i>1.000</i>	<i>2.362</i>	<i>0.118</i>		<i>0.134</i>				<i>0.183</i>
# WDS0255-0700-17	25.50	70.00	2.00	-	2.63	444	Stainless Steel (17-7 PH)	Disc Spring Washer	4.50
	<i>1.004</i>	<i>2.756</i>	<i>0.079</i>		<i>0.104</i>				<i>0.177</i>
# WDS0285-0560-17	28.50	56.00	2.00	-	2.40	444	Stainless Steel (17-7 PH)	Disc Spring Washer	3.60
	<i>1.122</i>	<i>2.205</i>	<i>0.079</i>		<i>0.094</i>				<i>0.142</i>

# Indicates item not stocked at time of printing - Please enquire for lead time

E&OE Pricing and all details subject to change without notice - Copyright Miniature Bearings Australia Pty Ltd

MBA Size Listings are a guide to sizes only and must not be solely relied on for critical design information.

## Washers - Disc Spring - Stainless Steel

Part Number	ID (Di) mm	OD (Do) mm	Stock Thickness (t) mm	Load to flatten kg	Loaded Height (L1) mm	Spring Force at L1 kg	Material	Type	Free Height (L0) mm
	<i>inches</i>	<i>inches</i>	<i>inches</i>		<i>inches</i>				<i>inches</i>
# WDS0285-05601138-17	28.50	56.00	3.00	-	3.33	1138	Stainless Steel (17-7 PH)	Disc Spring Washer	4.30
	<i>1.122</i>	<i>2.205</i>	<i>0.118</i>		<i>0.131</i>				<i>0.169</i>
# WDS0305-0600-17	30.50	60.00	3.50	-	3.88	1814	Stainless Steel (17-7 PH)	Disc Spring Washer	5.00
	<i>1.201</i>	<i>2.362</i>	<i>0.138</i>		<i>0.153</i>				<i>0.197</i>
# WDS0310-0630-17	31.00	63.00	2.50	-	2.94	719	Stainless Steel (17-7 PH)	Disc Spring Washer	4.25
	<i>1.220</i>	<i>2.480</i>	<i>0.098</i>		<i>0.116</i>				<i>0.167</i>
# WDS0355-0700-17	35.50	70.00	4.00	-	4.45	2391	Stainless Steel (17-7 PH)	Disc Spring Washer	5.80
	<i>1.398</i>	<i>2.756</i>	<i>0.157</i>		<i>0.175</i>				<i>0.228</i>
# WDS0360-0710-17	36.00	71.00	2.00	-	2.65	541	Stainless Steel (17-7 PH)	Disc Spring Washer	4.60
	<i>1.417</i>	<i>2.795</i>	<i>0.079</i>		<i>0.104</i>				<i>0.181</i>
# WDS0360-0710672-17	36.00	71.00	2.50	-	3.00	672	Stainless Steel (17-7 PH)	Disc Spring Washer	4.50
	<i>1.417</i>	<i>2.795</i>	<i>0.098</i>		<i>0.118</i>				<i>0.177</i>
# WDS0360-07102052-17	36.00	71.00	4.00	-	4.40	2052	Stainless Steel (17-7 PH)	Disc Spring Washer	5.60
	<i>1.417</i>	<i>2.795</i>	<i>0.157</i>		<i>0.173</i>				<i>0.220</i>
# WDS0360-0800-17	36.00	80.00	4.00	-	4.55	2139	Stainless Steel (17-7 PH)	Disc Spring Washer	6.20
	<i>1.417</i>	<i>3.150</i>	<i>0.157</i>		<i>0.179</i>				<i>0.244</i>

# Indicates item not stocked at time of printing - Please enquire for lead time

E&OE Pricing and all details subject to change without notice - Copyright Miniature Bearings Australia Pty Ltd

MBA Size Listings are a guide to sizes only and must not be solely relied on for critical design information.

## Washers - Disc Spring - Stainless Steel

Part Number	ID (Di) mm	OD (Do) mm	Stock Thickness (t) mm	Load to flatten kg	Loaded Height (L1) mm	Spring Force at L1 kg	Material	Type	Free Height (L0) mm
	<i>inches</i>	<i>inches</i>	<i>inches</i>		<i>inches</i>				<i>inches</i>
# WDS0405-0700-17	40.50	70.00	4.00	-	4.40	2334	Stainless Steel (17-7 PH)	Disc Spring Washer	5.60
	<i>1.594</i>	<i>2.756</i>	<i>0.157</i>		<i>0.173</i>				<i>0.220</i>
# WDS0405-07003365-17	40.50	70.00	5.00	-	5.30	3365	Stainless Steel (17-7 PH)	Disc Spring Washer	6.20
	<i>1.594</i>	<i>2.756</i>	<i>0.197</i>		<i>0.209</i>				<i>0.244</i>
# WDS0410-0800-17	41.00	80.00	2.25	-	2.99	661	Stainless Steel (17-7 PH)	Disc Spring Washer	5.20
	<i>1.614</i>	<i>3.150</i>	<i>0.089</i>		<i>0.118</i>				<i>0.205</i>
# WDS0410-08001051-17	41.00	80.00	3.00	-	3.58	1051	Stainless Steel (17-7 PH)	Disc Spring Washer	5.30
	<i>1.614</i>	<i>3.150</i>	<i>0.118</i>		<i>0.141</i>				<i>0.209</i>
# WDS0460-0900-17	46.00	90.00	2.50	-	3.30	768	Stainless Steel (17-7 PH)	Disc Spring Washer	5.70
	<i>1.811</i>	<i>3.543</i>	<i>0.098</i>		<i>0.130</i>				<i>0.224</i>
# WDS0570-1120-17	57.00	112.00	3.00	-	3.97	1048	Stainless Steel (17-7 PH)	Disc Spring Washer	6.90
	<i>2.244</i>	<i>4.409</i>	<i>0.118</i>		<i>0.156</i>				<i>0.272</i>

# Indicates item not stocked at time of printing - Please enquire for lead time

E&OE Pricing and all details subject to change without notice - Copyright Miniature Bearings Australia Pty Ltd

MBA Size Listings are a guide to sizes only and must not be solely relied on for critical design information.



DISTRIBUTED BY

Ask us to put your name and address here

<http://www.minibearings.com.au/product>

Ph +61 7 3245 7977

Fax +61 7 3245 1017

Catalogue requests to [catalogues@minibearings.com.au](mailto:catalogues@minibearings.com.au)

