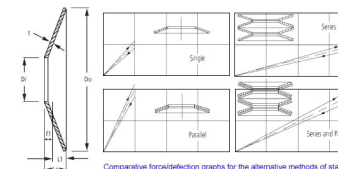




# MBA

## Washers - Disc Spring - Carbon Steel



Also known as belleville washers.

Manufactured under strict quality control to conform to DIN 2093

### Washers - Disc Spring - Carbon 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-C	2.36	4.75	0.25	12.41	0.30	6.8	AISI C1095 Spring Steel	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-C	3.18	6.35	0.34	21.43	0.43	11.7	AISI C1095 Spring Steel	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>
# WDS0032-0080-C	3.20	8.00	0.30	-	0.36	10	Carbon Steel	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>

# 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 - Carbon 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>
# WDS0032-008019-C	3.20	8.00	0.40	-	0.45	19	Carbon Steel	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>
# WDS0032-008036-C	3.20	8.00	0.50	-	0.55	36	Carbon Steel	Disc Spring Washer	0.70
	<i>0.126</i>	<i>0.315</i>	<i>0.020</i>		<i>0.022</i>				<i>0.028</i>
# WDS0032-0100-C	3.20	10.00	0.30	-	0.39	10	Carbon Steel	Disc Spring Washer	0.65
	<i>0.126</i>	<i>0.394</i>	<i>0.012</i>		<i>0.015</i>				<i>0.026</i>
# WDS0032-010018-C	3.20	10.00	0.40	-	0.48	18	Carbon Steel	Disc Spring Washer	0.70
	<i>0.126</i>	<i>0.394</i>	<i>0.016</i>		<i>0.019</i>				<i>0.028</i>
# WDS0032-010028-C	3.20	10.00	0.50	-	0.56	28	Carbon Steel	Disc Spring Washer	0.75
	<i>0.126</i>	<i>0.394</i>	<i>0.020</i>		<i>0.022</i>				<i>0.030</i>
# WDS0040-0079-C	3.96	7.92	0.41	33.5	0.53	18.3	AISI C1095 Spring Steel	Disc Spring Washer	0.64
	<i>0.156</i>	<i>0.312</i>	<i>0.016</i>		<i>0.021</i>				<i>0.025</i>
WDS0042-0080-C	4.20	8.00	0.20	-	0.26	4	Carbon Steel	Disc Spring Washer	0.45
	<i>0.165</i>	<i>0.315</i>	<i>0.008</i>		<i>0.010</i>				<i>0.018</i>
WDS0042-008012-C	4.20	8.00	0.30	-	0.36	12	Carbon Steel	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>

# 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 - Carbon 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>
WDS0042-008021-C	4.20	8.00	0.40	-	0.45	21	Carbon Steel	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>
WDS0042-0100-C	4.20	10.00	0.40	-	0.48	19	Carbon Steel	Disc Spring Washer	0.70
	<i>0.165</i>	<i>0.394</i>	<i>0.016</i>		<i>0.019</i>				<i>0.028</i>
# WDS0042-010029-C	4.20	10.00	0.50	-	0.56	29	Carbon Steel	Disc Spring Washer	0.75
	<i>0.165</i>	<i>0.394</i>	<i>0.020</i>		<i>0.022</i>				<i>0.030</i>
WDS0042-010050-C	4.20	10.00	0.60	-	0.66	50	Carbon Steel	Disc Spring Washer	0.85
	<i>0.165</i>	<i>0.394</i>	<i>0.024</i>		<i>0.026</i>				<i>0.033</i>
# WDS0042-0120-C	4.20	12.00	0.40	-	0.50	18	Carbon Steel	Disc Spring Washer	0.80
	<i>0.165</i>	<i>0.472</i>	<i>0.016</i>		<i>0.020</i>				<i>0.031</i>
# WDS0042-012028-C	4.20	12.00	0.50	-	0.59	28	Carbon Steel	Disc Spring Washer	0.85
	<i>0.165</i>	<i>0.472</i>	<i>0.020</i>		<i>0.023</i>				<i>0.033</i>
# WDS0042-012056-C	4.20	12.00	0.60	-	0.70	56	Carbon Steel	Disc Spring Washer	1.00
	<i>0.165</i>	<i>0.472</i>	<i>0.024</i>		<i>0.028</i>				<i>0.039</i>
# WDS0048-0095-C	4.83	9.53	0.51	49.11	0.64	26.8	AISI C1095 Spring Steel	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>

# 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 - Carbon 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>
WDS0052-0100-C	5.20	10.00	0.25	-	0.33	6	Carbon Steel	Disc Spring Washer	0.55
	<i>0.205</i>	<i>0.394</i>	<i>0.010</i>		<i>0.013</i>				<i>0.022</i>
# WDS0052-010021-C	5.20	10.00	0.40	-	0.48	21	Carbon Steel	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-C	5.20	10.00	0.50	-	0.56	33	Carbon Steel	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>
# WDS0052-0120-C	5.20	12.00	0.50	-	0.60	35	Carbon Steel	Disc Spring Washer	0.90
	<i>0.205</i>	<i>0.472</i>	<i>0.020</i>		<i>0.024</i>				<i>0.035</i>
# WDS0052-012051-C	5.20	12.00	0.60	-	0.69	51	Carbon Steel	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>
# WDS0052-0125-C	5.20	12.50	0.50	-	0.59	27	Carbon Steel	Disc Spring Washer	0.85
	<i>0.205</i>	<i>0.492</i>	<i>0.020</i>		<i>0.023</i>				<i>0.033</i>
# WDS0052-0150-C	5.20	15.00	0.40	-	0.54	18	Carbon Steel	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>
# WDS0052-015028-C	5.20	15.00	0.50	-	0.63	28	Carbon Steel	Disc Spring Washer	1.00
	<i>0.205</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 - Carbon 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>
# WDS0052-015041-C	5.20	15.00	0.60	-	0.71	41	Carbon Steel	Disc Spring Washer	1.05
	<i>0.205</i>	<i>0.591</i>	<i>0.024</i>		<i>0.028</i>				<i>0.041</i>
# WDS0052-015056-C	5.20	15.00	0.70	-	0.80	56	Carbon Steel	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-C	6.20	12.00	0.50	-	0.59	33	Carbon Steel	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>
# WDS0062-012055-C	6.20	12.00	0.60	-	0.69	55	Carbon Steel	Disc Spring Washer	0.95
	<i>0.244</i>	<i>0.472</i>	<i>0.024</i>		<i>0.027</i>				<i>0.037</i>
WDS0062-0125-C	6.20	12.50	0.35	-	0.46	15	Carbon Steel	Disc Spring Washer	0.80
	<i>0.244</i>	<i>0.492</i>	<i>0.014</i>		<i>0.018</i>				<i>0.031</i>
# WDS0062-012529-C	6.20	12.50	0.50	-	0.59	29	Carbon Steel	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>
WDS0062-012566-C	6.20	12.50	0.70	-	0.78	66	Carbon Steel	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-C	6.20	15.00	0.50	-	0.63	29	Carbon Steel	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 - Carbon 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>
# WDS0062-015042-C	6.20	15.00	0.60	-	0.71	42	Carbon Steel	Disc Spring Washer	1.05
	<i>0.244</i>	<i>0.591</i>	<i>0.024</i>		<i>0.028</i>				<i>0.041</i>
# WDS0062-015058-C	6.20	15.00	0.70	-	0.80	58	Carbon Steel	Disc Spring Washer	1.10
	<i>0.244</i>	<i>0.591</i>	<i>0.028</i>		<i>0.031</i>				<i>0.043</i>
WDS0062-0180-C	6.20	18.00	0.40	-	0.55	14	Carbon Steel	Disc Spring Washer	1.00
	<i>0.244</i>	<i>0.709</i>	<i>0.016</i>		<i>0.022</i>				<i>0.039</i>
# WDS0062-018025-C	6.20	18.00	0.50	-	0.65	25	Carbon Steel	Disc Spring Washer	1.10
	<i>0.244</i>	<i>0.709</i>	<i>0.020</i>		<i>0.026</i>				<i>0.043</i>
# WDS0062-018040-C	6.20	18.00	0.60	-	0.75	40	Carbon Steel	Disc Spring Washer	1.20
	<i>0.244</i>	<i>0.709</i>	<i>0.024</i>		<i>0.030</i>				<i>0.047</i>
# WDS0062-018055-C	6.20	18.00	0.70	-	0.84	55	Carbon Steel	Disc Spring Washer	1.25
	<i>0.244</i>	<i>0.709</i>	<i>0.028</i>		<i>0.033</i>				<i>0.049</i>
# WDS0062-018073-C	6.20	18.00	0.80	-	0.92	73	Carbon Steel	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-C	6.48	12.70	0.64	71.43	0.79	42.4	AISI C1095 Spring Steel	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>

# 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 - Carbon 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>
# WDS0072-0140-C	7.20	14.00	0.35	-	0.46	12	Carbon Steel	Disc Spring Washer	0.80
	<i>0.283</i>	<i>0.551</i>	<i>0.014</i>		<i>0.018</i>				<i>0.031</i>
# WDS0072-014028-C	7.20	14.00	0.50	-	0.60	28	Carbon Steel	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-C	7.20	14.00	0.80	-	0.87	80	Carbon Steel	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-C	8.05	15.88	0.81	116.07	1.02	64.7	AISI C1095 Spring Steel	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-C	8.20	15.00	0.50	-	0.63	33	Carbon Steel	Disc Spring Washer	1.00
	<i>0.323</i>	<i>0.591</i>	<i>0.020</i>		<i>0.025</i>				<i>0.039</i>
# WDS0082-015067-C	8.20	15.00	0.70	-	0.80	67	Carbon Steel	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>
WDS0082-015098-C	8.20	15.00	0.80	-	0.90	98	Carbon Steel	Disc Spring Washer	1.20
	<i>0.323</i>	<i>0.591</i>	<i>0.031</i>		<i>0.035</i>				<i>0.047</i>
WDS0082-0160-C	8.20	16.00	0.40	-	0.53	15	Carbon Steel	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 - Carbon 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-C	8.20	16.00	0.60	-	0.71	41	Carbon Steel	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>
# WDS0082-016064-C	8.20	16.00	0.70	-	0.81	64	Carbon Steel	Disc Spring Washer	1.15
	<i>0.323</i>	<i>0.630</i>	<i>0.028</i>		<i>0.032</i>				<i>0.045</i>
WDS0082-016083-C	8.20	16.00	0.80	-	0.90	83	Carbon Steel	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-C	8.20	16.00	0.90	-	0.99	101	Carbon Steel	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>
# WDS0082-0180-C	8.20	18.00	0.50	-	0.65	27	Carbon Steel	Disc Spring Washer	1.10
	<i>0.323</i>	<i>0.709</i>	<i>0.020</i>		<i>0.026</i>				<i>0.043</i>
# WDS0082-018060-C	8.20	18.00	0.70	-	0.84	60	Carbon Steel	Disc Spring Washer	1.25
	<i>0.323</i>	<i>0.709</i>	<i>0.028</i>		<i>0.033</i>				<i>0.049</i>
# WDS0082-018058-C	8.20	18.00	0.80	-	0.92	58	Carbon Steel	Disc Spring Washer	1.30
	<i>0.323</i>	<i>0.709</i>	<i>0.031</i>		<i>0.036</i>				<i>0.051</i>
# WDS0082-0180118-C	8.20	18.00	1.00	-	1.10	118	Carbon Steel	Disc Spring Washer	1.40
	<i>0.323</i>	<i>0.709</i>	<i>0.039</i>		<i>0.043</i>				<i>0.055</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 - Carbon 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>
# WDS0082-0200-C	8.20	20.00	0.60	-	0.77	41	Carbon Steel	Disc Spring Washer	1.30
	<i>0.323</i>	<i>0.787</i>	<i>0.024</i>		<i>0.030</i>				<i>0.051</i>
# WDS0082-020057-C	8.20	20.00	0.70	-	0.86	57	Carbon Steel	Disc Spring Washer	1.35
	<i>0.323</i>	<i>0.787</i>	<i>0.028</i>		<i>0.034</i>				<i>0.053</i>
# WDS0082-020075-C	8.20	20.00	0.80	-	0.95	75	Carbon Steel	Disc Spring Washer	1.40
	<i>0.323</i>	<i>0.787</i>	<i>0.031</i>		<i>0.037</i>				<i>0.055</i>
# WDS0082-020095-C	8.20	20.00	0.90	-	1.04	95	Carbon Steel	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>
# WDS0082-0200129-C	8.20	20.00	1.00	-	1.14	129	Carbon Steel	Disc Spring Washer	1.55
	<i>0.323</i>	<i>0.787</i>	<i>0.039</i>		<i>0.045</i>				<i>0.061</i>
# WDS0082-0230-C	8.20	23.00	0.70	-	0.90	54	Carbon Steel	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-C	8.20	23.00	0.80	-	0.99	72	Carbon Steel	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>
# WDS0082-023092-C	8.20	23.00	0.90	-	1.07	92	Carbon Steel	Disc Spring Washer	1.60
	<i>0.323</i>	<i>0.906</i>	<i>0.035</i>		<i>0.042</i>				<i>0.063</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 - Carbon 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>
WDS0082-0230124-C	8.20	23.00	1.00	-	1.17	124	Carbon Steel	Disc Spring Washer	1.70
	<i>0.323</i>	<i>0.906</i>	<i>0.039</i>		<i>0.046</i>				<i>0.067</i>
# WDS0092-0180-C	9.20	18.00	0.45	-	0.60	21	Carbon Steel	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>
# WDS0092-018057-C	9.20	18.00	0.70	-	0.83	57	Carbon Steel	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-C	9.20	18.00	1.00	-	1.10	125	Carbon Steel	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-C	9.65	19.05	1.02	185.27	1.24	104.9	AISI C1095 Spring Steel	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-C	10.20	20.00	0.50	-	0.66	25	Carbon Steel	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-C	10.20	20.00	0.80	-	0.94	75	Carbon Steel	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-C	10.20	20.00	0.90	-	1.04	105	Carbon Steel	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>

# 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 - Carbon 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>
# WDS0102-0200142-C	10.20	20.00	1.00	-	1.14	142	Carbon Steel	Disc Spring Washer	1.55
	<i>0.402</i>	<i>0.787</i>	<i>0.039</i>		<i>0.045</i>				<i>0.061</i>
# WDS0102-0200152-C	10.20	20.00	1.10	-	1.21	152	Carbon Steel	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>
# WDS0102-0200248-C	10.20	20.00	1.25	-	1.38	248	Carbon Steel	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-C	10.20	20.00	1.50	-	1.58	252	Carbon Steel	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-C	10.20	23.00	0.90	-	1.09	106	Carbon Steel	Disc Spring Washer	1.65
	<i>0.402</i>	<i>0.906</i>	<i>0.035</i>		<i>0.043</i>				<i>0.065</i>
# WDS0102-0230132-C	10.20	23.00	1.00	-	1.17	132	Carbon Steel	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>
# WDS0102-0230204-C	10.20	23.00	1.25	-	1.41	204	Carbon Steel	Disc Spring Washer	1.90
	<i>0.402</i>	<i>0.906</i>	<i>0.049</i>		<i>0.056</i>				<i>0.075</i>
# WDS0102-0250-C	10.20	25.00	1.00	-	1.19	117	Carbon Steel	Disc Spring Washer	1.75
	<i>0.402</i>	<i>0.984</i>	<i>0.039</i>		<i>0.047</i>				<i>0.069</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 - Carbon 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>
# WDS0102-0280-C	10.20	28.00	0.80	-	1.04	66	Carbon Steel	Disc Spring Washer	1.75
	<i>0.402</i>	<i>1.102</i>	<i>0.031</i>		<i>0.041</i>				<i>0.069</i>
# WDS0102-0280113-C	10.20	28.00	1.00	-	1.23	113	Carbon Steel	Disc Spring Washer	1.90
	<i>0.402</i>	<i>1.102</i>	<i>0.039</i>		<i>0.048</i>				<i>0.075</i>
# WDS0102-0280185-C	10.20	28.00	1.25	-	1.45	185	Carbon Steel	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>
# WDS0102-0280272-C	10.20	28.00	1.50	-	1.67	272	Carbon Steel	Disc Spring Washer	2.20
	<i>0.402</i>	<i>1.102</i>	<i>0.059</i>		<i>0.066</i>				<i>0.087</i>
# WDS0112-0225-C	11.20	22.50	0.60	-	0.80	43	Carbon Steel	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-C	11.20	22.50	0.80	-	0.96	71	Carbon Steel	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-C	11.20	22.50	1.25	-	1.38	193	Carbon Steel	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-C	12.20	23.00	1.25	-	1.40	233	Carbon Steel	Disc Spring Washer	1.85
	<i>0.480</i>	<i>0.906</i>	<i>0.049</i>		<i>0.055</i>				<i>0.073</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 - Carbon 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>
# WDS0122-0230330-C	12.20	23.00	1.50	-	1.63	330	Carbon Steel	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>
# WDS0122-0250-C	12.20	25.00	0.70	-	0.92	60	Carbon Steel	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-C	12.20	25.00	0.90	-	1.07	86	Carbon Steel	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>
WDS0122-0250136-C	12.20	25.00	1.00	-	1.20	136	Carbon Steel	Disc Spring Washer	1.80
	<i>0.480</i>	<i>0.984</i>	<i>0.039</i>		<i>0.047</i>				<i>0.071</i>
# WDS0122-0250221-C	12.20	25.00	1.25	-	1.42	221	Carbon Steel	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-C	12.20	25.00	1.50	-	1.64	292	Carbon Steel	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>
# WDS0122-0280-C	12.20	28.00	1.00	-	1.24	127	Carbon Steel	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>
# WDS0122-0280208-C	12.20	28.00	1.25	-	1.46	208	Carbon Steel	Disc Spring Washer	2.10
	<i>0.480</i>	<i>1.102</i>	<i>0.049</i>		<i>0.057</i>				<i>0.083</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 - Carbon 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>
# WDS0122-0280308-C	12.20	28.00	1.50	-	1.69	308	Carbon Steel	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>
# WDS0122-0315-C	12.20	31.50	1.50	-	1.71	269	Carbon Steel	Disc Spring Washer	2.35
	<i>0.480</i>	<i>1.240</i>	<i>0.059</i>		<i>0.067</i>				<i>0.093</i>
# WDS0122-0340-C	12.20	34.00	1.00	-	1.31	117	Carbon Steel	Disc Spring Washer	2.25
	<i>0.480</i>	<i>1.339</i>	<i>0.039</i>		<i>0.052</i>				<i>0.089</i>
# WDS0122-0340181-C	12.20	34.00	1.25	-	1.53	181	Carbon Steel	Disc Spring Washer	2.35
	<i>0.480</i>	<i>1.339</i>	<i>0.049</i>		<i>0.060</i>				<i>0.093</i>
# WDS0122-0340272-C	12.20	34.00	1.50	-	1.75	272	Carbon Steel	Disc Spring Washer	2.50
	<i>0.480</i>	<i>1.339</i>	<i>0.059</i>		<i>0.069</i>				<i>0.098</i>
# WDS0128-0254-C	12.83	25.40	1.27	267.86	1.57	151.8	AISI C1095 Spring Steel	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>
# WDS0142-0280-C	14.20	28.00	0.80	-	1.05	80	Carbon Steel	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-C	14.20	28.00	1.00	-	1.20	111	Carbon Steel	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>

# 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 - Carbon 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>
WDS0142-0280224-C	14.20	28.00	1.25	-	1.46	224	Carbon Steel	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-C	14.20	28.00	1.50	-	1.66	284	Carbon Steel	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-C	14.20	34.00	1.25	-	1.54	199	Carbon Steel	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-C	14.20	34.00	1.50	-	1.76	298	Carbon Steel	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-C	14.20	40.00	1.25	-	1.60	178	Carbon Steel	Disc Spring Washer	2.65
	<i>0.559</i>	<i>1.575</i>	<i>0.049</i>		<i>0.063</i>				<i>0.104</i>
# WDS0142-0400254-C	14.20	40.00	1.50	-	1.81	254	Carbon Steel	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-C	14.20	40.00	2.00	-	2.26	477	Carbon Steel	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>
# WDS0160-0318-C	16.00	31.75	1.57	388.39	1.96	212.1	AISI C1095 Spring Steel	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>

# 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 - Carbon 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>
# WDS0163-0315-C	16.30	31.50	0.80	-	1.06	69	Carbon Steel	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-C	16.30	31.50	1.25	-	1.48	191	Carbon Steel	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-C	16.30	31.50	1.50	-	1.73	323	Carbon Steel	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>
# WDS0163-0315387-C	16.30	31.50	1.75	-	1.92	387	Carbon Steel	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-C	16.30	31.50	2.00	-	2.19	617	Carbon Steel	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-C	16.30	34.00	1.50	-	1.76	315	Carbon Steel	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>
# WDS0163-0340578-C	16.30	34.00	2.00	-	2.21	578	Carbon Steel	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-C	16.30	40.00	1.50	-	1.83	275	Carbon Steel	Disc Spring Washer	2.80
	<i>0.642</i>	<i>1.575</i>	<i>0.059</i>		<i>0.072</i>				<i>0.110</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 - Carbon 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>
# WDS0163-0400517-C	16.30	40.00	2.00	-	2.28	517	Carbon Steel	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-C	18.30	35.50	0.90	-	1.19	83	Carbon Steel	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-C	18.30	35.50	1.25	-	1.50	170	Carbon Steel	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-C	18.30	35.50	2.00	-	2.20	518	Carbon Steel	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>
# WDS0183-0400-C	18.30	40.00	2.00	-	2.29	565	Carbon Steel	Disc Spring Washer	3.15
	<i>0.720</i>	<i>1.575</i>	<i>0.079</i>		<i>0.090</i>				<i>0.124</i>
# WDS0183-0500-C	18.30	50.00	1.50	-	1.95	260	Carbon Steel	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>
# WDS0183-0500456-C	18.30	50.00	2.00	-	2.38	456	Carbon Steel	Disc Spring Washer	3.50
	<i>0.720</i>	<i>1.969</i>	<i>0.079</i>		<i>0.094</i>				<i>0.138</i>
WDS0183-0500930-C	18.30	50.00	2.50	-	2.90	930	Carbon Steel	Disc Spring Washer	4.10
	<i>0.720</i>	<i>1.969</i>	<i>0.098</i>		<i>0.114</i>				<i>0.161</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 - Carbon 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>
# WDS0183-05001367-C	18.30	50.00	3.00	-	3.35	1367	Carbon Steel	Disc Spring Washer	4.40
	<i>0.720</i>	<i>1.969</i>	<i>0.118</i>		<i>0.132</i>				<i>0.173</i>
# WDS0191-0381-C	19.05	38.10	1.83	526.79	2.26	294.6	AISI C1095 Spring Steel	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-C	20.40	40.00	1.00	-	1.33	102	Carbon Steel	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>
# WDS0204-0400262-C	20.40	40.00	1.50	-	1.79	262	Carbon Steel	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-C	20.40	40.00	2.00	-	2.28	570	Carbon Steel	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>
# WDS0204-0400650-C	20.40	40.00	2.25	-	2.48	650	Carbon Steel	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-C	20.40	40.00	2.50	-	2.74	938	Carbon Steel	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-C	20.40	50.00	2.00	-	2.38	469	Carbon Steel	Disc Spring Washer	3.50
	<i>0.803</i>	<i>1.969</i>	<i>0.079</i>		<i>0.094</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 - Carbon 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>
# WDS0204-0500792-C	20.40	50.00	2.50	-	2.84	792	Carbon Steel	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>
# WDS0204-0600-C	20.40	60.00	2.00	-	2.52	472	Carbon Steel	Disc Spring Washer	4.10
	<i>0.803</i>	<i>2.362</i>	<i>0.079</i>		<i>0.099</i>				<i>0.161</i>
# WDS0204-0600729-C	20.40	60.00	2.50	-	2.95	729	Carbon Steel	Disc Spring Washer	4.30
	<i>0.803</i>	<i>2.362</i>	<i>0.098</i>		<i>0.116</i>				<i>0.169</i>
# WDS0204-06001156-C	20.40	60.00	3.00	-	3.42	1156	Carbon Steel	Disc Spring Washer	4.70
	<i>0.803</i>	<i>2.362</i>	<i>0.118</i>		<i>0.135</i>				<i>0.185</i>
# WDS0224-0450-C	22.40	45.00	1.25	-	1.65	189	Carbon Steel	Disc Spring Washer	2.85
	<i>0.882</i>	<i>1.772</i>	<i>0.049</i>		<i>0.065</i>				<i>0.112</i>
# WDS0224-0450364-C	22.40	45.00	1.75	-	2.08	364	Carbon Steel	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-C	22.40	45.00	2.50	-	2.75	771	Carbon Steel	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>
# WDS0224-0500-C	22.40	50.00	2.00	-	2.40	522	Carbon Steel	Disc Spring Washer	3.60
	<i>0.882</i>	<i>1.969</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 - Carbon 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>
# WDS0224-0500851-C	22.40	50.00	2.50	-	2.85	851	Carbon Steel	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-C	25.40	50.00	1.25	-	1.65	155	Carbon Steel	Disc Spring Washer	2.85
	<i>1.000</i>	<i>1.969</i>	<i>0.049</i>		<i>0.065</i>				<i>0.112</i>
# WDS0254-0500476-C	25.40	50.00	2.00	-	2.35	476	Carbon Steel	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-C	25.40	50.00	2.50	-	2.85	906	Carbon Steel	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-C	25.40	50.00	3.00	-	3.28	1197	Carbon Steel	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-C	25.40	60.00	2.50	-	2.97	816	Carbon Steel	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-C	25.40	60.00	3.00	-	3.41	1176	Carbon Steel	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-C	25.50	70.00	2.00	-	2.63	444	Carbon Steel	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>

# 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 - Carbon 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>
# WDS0285-0560-C	28.50	56.00	1.50	-	1.99	262	Carbon Steel	Disc Spring Washer	3.45
	<i>1.122</i>	<i>2.205</i>	<i>0.059</i>		<i>0.078</i>				<i>0.136</i>
# WDS0285-0560444-C	28.50	56.00	2.00	-	2.40	444	Carbon Steel	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>
# WDS0285-05601138-C	28.50	56.00	3.00	-	3.33	1138	Carbon Steel	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-C	30.50	60.00	2.50	-	2.95	834	Carbon Steel	Disc Spring Washer	4.30
	<i>1.201</i>	<i>2.362</i>	<i>0.098</i>		<i>0.116</i>				<i>0.169</i>
# WDS0305-06001322-C	30.50	60.00	3.00	-	3.42	1322	Carbon Steel	Disc Spring Washer	4.70
	<i>1.201</i>	<i>2.362</i>	<i>0.118</i>		<i>0.135</i>				<i>0.185</i>
# WDS0305-06001814-C	30.50	60.00	3.50	-	3.88	1814	Carbon Steel	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>
# WDS0305-0700-C	30.50	70.00	2.50	-	3.10	803	Carbon Steel	Disc Spring Washer	4.90
	<i>1.201</i>	<i>2.756</i>	<i>0.098</i>		<i>0.122</i>				<i>0.193</i>
# WDS0305-07001142-C	30.50	70.00	3.00	-	3.52	1142	Carbon Steel	Disc Spring Washer	5.10
	<i>1.201</i>	<i>2.756</i>	<i>0.118</i>		<i>0.139</i>				<i>0.201</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 - Carbon 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>
# WDS0310-0630-C	31.00	63.00	1.80	-	2.39	424	Carbon Steel	Disc Spring Washer	4.15
	<i>1.220</i>	<i>2.480</i>	<i>0.071</i>		<i>0.094</i>				<i>0.163</i>
# WDS0310-0630719-C	31.00	63.00	2.50	-	2.94	719	Carbon Steel	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>
# WDS0310-06301253-C	31.00	63.00	3.00	-	3.45	1253	Carbon Steel	Disc Spring Washer	4.80
	<i>1.220</i>	<i>2.480</i>	<i>0.118</i>		<i>0.136</i>				<i>0.189</i>
# WDS0310-06301502-C	31.00	63.00	3.50	-	3.85	1502	Carbon Steel	Disc Spring Washer	4.90
	<i>1.220</i>	<i>2.480</i>	<i>0.138</i>		<i>0.152</i>				<i>0.193</i>
# WDS0310-0800-C	31.00	80.00	2.50	-	3.20	724	Carbon Steel	Disc Spring Washer	5.30
	<i>1.220</i>	<i>3.150</i>	<i>0.098</i>		<i>0.126</i>				<i>0.209</i>
# WDS0310-08001035-C	31.00	80.00	3.00	-	3.63	1035	Carbon Steel	Disc Spring Washer	5.50
	<i>1.220</i>	<i>3.150</i>	<i>0.118</i>		<i>0.143</i>				<i>0.217</i>
# WDS0310-08001938-C	31.00	80.00	4.00	-	4.52	1938	Carbon Steel	Disc Spring Washer	6.10
	<i>1.220</i>	<i>3.150</i>	<i>0.157</i>		<i>0.178</i>				<i>0.240</i>
# WDS0355-0700-C	35.50	70.00	3.00	-	3.52	1228	Carbon Steel	Disc Spring Washer	5.10
	<i>1.398</i>	<i>2.756</i>	<i>0.118</i>		<i>0.139</i>				<i>0.201</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 - Carbon 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>
# WDS0355-07002391-C	35.50	70.00	4.00	-	4.45	2391	Carbon Steel	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-C	36.00	71.00	2.00	-	2.65	514	Carbon Steel	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-C	36.00	71.00	2.50	-	3.00	672	Carbon Steel	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-C	36.00	71.00	4.00	-	4.40	2052	Carbon Steel	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-C	36.00	80.00	3.00	-	3.67	1191	Carbon Steel	Disc Spring Washer	5.70
	<i>1.417</i>	<i>3.150</i>	<i>0.118</i>		<i>0.144</i>				<i>0.224</i>
# WDS0360-08002139-C	36.00	80.00	4.00	-	4.55	2139	Carbon Steel	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>
# WDS0405-0700-C	40.50	70.00	4.00	-	4.40	2334	Carbon Steel	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-C	40.50	70.00	5.00	-	5.30	3365	Carbon Steel	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>

# 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 - Carbon 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>
# WDS0410-0800-C	41.00	80.00	2.25	-	2.99	661	Carbon Steel	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-C	41.00	80.00	3.00	-	3.58	1051	Carbon Steel	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>
# WDS0410-08002286-C	41.00	80.00	4.00	-	4.55	2286	Carbon Steel	Disc Spring Washer	6.20
	<i>1.614</i>	<i>3.150</i>	<i>0.157</i>		<i>0.179</i>				<i>0.244</i>
# WDS0410-08003354-C	41.00	80.00	5.00	-	5.42	3354	Carbon Steel	Disc Spring Washer	6.70
	<i>1.614</i>	<i>3.150</i>	<i>0.197</i>		<i>0.213</i>				<i>0.264</i>
# WDS0410-1000-C	41.00	100.00	4.00	-	4.80	2024	Carbon Steel	Disc Spring Washer	7.20
	<i>1.614</i>	<i>3.937</i>	<i>0.157</i>		<i>0.189</i>				<i>0.283</i>
# WDS0410-10003234-C	41.00	100.00	5.00	-	5.69	3234	Carbon Steel	Disc Spring Washer	7.75
	<i>1.614</i>	<i>3.937</i>	<i>0.197</i>		<i>0.224</i>				<i>0.305</i>
# WDS0410-1250-C	41.00	125.00	4.00	-	5.05	1734	Carbon Steel	Disc Spring Washer	8.20
	<i>1.614</i>	<i>4.921</i>	<i>0.157</i>		<i>0.199</i>				<i>0.323</i>
# WDS0460-0900-C	46.00	90.00	2.50	-	3.30	768	Carbon Steel	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>

# 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 - Carbon 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>
# WDS0460-09001415-C	46.00	90.00	3.50	-	4.13	1415	Carbon Steel	Disc Spring Washer	6.00
	<i>1.811</i>	<i>3.543</i>	<i>0.138</i>		<i>0.163</i>				<i>0.236</i>
# WDS0460-09003134-C	46.00	90.00	5.00	-	5.50	3134	Carbon Steel	Disc Spring Washer	7.00
	<i>1.811</i>	<i>3.543</i>	<i>0.197</i>		<i>0.217</i>				<i>0.276</i>
# WDS0510-1000-C	51.00	100.00	2.70	-	3.58	860	Carbon Steel	Disc Spring Washer	6.20
	<i>2.008</i>	<i>3.937</i>	<i>0.106</i>		<i>0.141</i>				<i>0.244</i>
# WDS0510-10001306-C	51.00	100.00	3.50	-	4.20	1306	Carbon Steel	Disc Spring Washer	6.30
	<i>2.008</i>	<i>3.937</i>	<i>0.138</i>		<i>0.165</i>				<i>0.248</i>
# WDS0510-10002066-C	51.00	100.00	4.00	-	4.75	2066	Carbon Steel	Disc Spring Washer	7.00
	<i>2.008</i>	<i>3.937</i>	<i>0.157</i>		<i>0.187</i>				<i>0.276</i>
# WDS0510-10003632-C	51.00	100.00	5.00	-	5.70	3632	Carbon Steel	Disc Spring Washer	7.80
	<i>2.008</i>	<i>3.937</i>	<i>0.197</i>		<i>0.224</i>				<i>0.307</i>
# WDS0510-10004800-C	51.00	100.00	6.00	-	6.55	4800	Carbon Steel	Disc Spring Washer	8.20
	<i>2.008</i>	<i>3.937</i>	<i>0.236</i>		<i>0.258</i>				<i>0.323</i>
# WDS0510-1250-C	51.00	125.00	4.00	-	5.13	1981	Carbon Steel	Disc Spring Washer	8.50
	<i>2.008</i>	<i>4.921</i>	<i>0.157</i>		<i>0.202</i>				<i>0.335</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 - Carbon 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>
# WDS0510-12503065-C	51.00	125.00	5.00	-	5.97	3065	Carbon Steel	Disc Spring Washer	8.90
	<i>2.008</i>	<i>4.921</i>	<i>0.197</i>		<i>0.235</i>				<i>0.350</i>
# WDS0510-12504428-C	51.00	125.00	6.00	-	6.85	4428	Carbon Steel	Disc Spring Washer	9.40
	<i>2.008</i>	<i>4.921</i>	<i>0.236</i>		<i>0.270</i>				<i>0.370</i>
# WDS0570-1120-C	57.00	112.00	3.00	-	3.97	1048	Carbon Steel	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>
# WDS0570-11201774-C	57.00	112.00	4.00	-	4.87	1774	Carbon Steel	Disc Spring Washer	7.20
	<i>2.244</i>	<i>4.409</i>	<i>0.157</i>		<i>0.192</i>				<i>0.283</i>
# WDS0570-11204368-C	57.00	112.00	6.00	-	6.63	4368	Carbon Steel	Disc Spring Washer	8.50
	<i>2.244</i>	<i>4.409</i>	<i>0.236</i>		<i>0.261</i>				<i>0.335</i>
# WDS0610-1250-C	61.00	125.00	5.00	-	6.00	3395	Carbon Steel	Disc Spring Washer	9.00
	<i>2.402</i>	<i>4.921</i>	<i>0.197</i>		<i>0.236</i>				<i>0.354</i>
# WDS0610-12505069-C	61.00	125.00	6.00	-	6.90	5069	Carbon Steel	Disc Spring Washer	9.60
	<i>2.402</i>	<i>4.921</i>	<i>0.236</i>		<i>0.272</i>				<i>0.378</i>
# WDS0610-12509353-C	61.00	125.00	8.00	-	8.72	9353	Carbon Steel	Disc Spring Washer	10.90
	<i>2.402</i>	<i>4.921</i>	<i>0.315</i>		<i>0.343</i>				<i>0.429</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 - Carbon 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>
# WDS0610-1500-C	61.00	150.00	5.00	-	6.88	3102	Carbon Steel	Disc Spring Washer	10.30
	<i>2.402</i>	<i>5.906</i>	<i>0.197</i>		<i>0.271</i>				<i>0.406</i>
# WDS0610-15004548-C	61.00	150.00	6.00	-	7.20	4548	Carbon Steel	Disc Spring Washer	10.80
	<i>2.402</i>	<i>5.906</i>	<i>0.236</i>		<i>0.283</i>				<i>0.425</i>
# WDS0640-1250-C	64.00	125.00	3.50	-	4.63	1541	Carbon Steel	Disc Spring Washer	8.00
	<i>2.520</i>	<i>4.921</i>	<i>0.138</i>		<i>0.182</i>				<i>0.315</i>
# WDS0640-12502989-C	64.00	125.00	5.00	-	5.88	2989	Carbon Steel	Disc Spring Washer	8.50
	<i>2.520</i>	<i>4.921</i>	<i>0.197</i>		<i>0.231</i>				<i>0.335</i>
# WDS0640-12508588-C	64.00	125.00	8.00	-	8.65	8588	Carbon Steel	Disc Spring Washer	10.60
	<i>2.520</i>	<i>4.921</i>	<i>0.315</i>		<i>0.341</i>				<i>0.417</i>
# WDS0710-1250-C	71.00	125.00	6.00	-	6.88	5119	Carbon Steel	Disc Spring Washer	9.30
	<i>2.795</i>	<i>4.921</i>	<i>0.236</i>		<i>0.271</i>				<i>0.366</i>
# WDS0710-12508545-C	71.00	125.00	8.00	-	8.60	8545	Carbon Steel	Disc Spring Washer	10.40
	<i>2.795</i>	<i>4.921</i>	<i>0.315</i>		<i>0.339</i>				<i>0.409</i>
# WDS0710-125012406-C	71.00	125.00	10.00	-	10.45	12406	Carbon Steel	Disc Spring Washer	11.80
	<i>2.795</i>	<i>4.921</i>	<i>0.394</i>		<i>0.411</i>				<i>0.465</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 - Carbon 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>
# WDS0710-1500-C	71.00	150.00	6.00	-	7.20	4813	Carbon Steel	Disc Spring Washer	10.80
	<i>2.795</i>	<i>5.906</i>	<i>0.236</i>		<i>0.283</i>				<i>0.425</i>
# WDS0710-15008980-C	71.00	150.00	8.00	-	9.00	8980	Carbon Steel	Disc Spring Washer	12.00
	<i>2.795</i>	<i>5.906</i>	<i>0.315</i>		<i>0.354</i>				<i>0.472</i>
# WDS0720-1400-C	72.00	140.00	3.80	-	5.02	1719	Carbon Steel	Disc Spring Washer	8.70
	<i>2.835</i>	<i>5.512</i>	<i>0.150</i>		<i>0.198</i>				<i>0.343</i>
# WDS0720-14002791-C	72.00	140.00	5.00	-	6.00	2791	Carbon Steel	Disc Spring Washer	9.00
	<i>2.835</i>	<i>5.512</i>	<i>0.197</i>		<i>0.236</i>				<i>0.354</i>
# WDS0720-14008520-C	72.00	140.00	8.00	-	8.80	8520	Carbon Steel	Disc Spring Washer	11.20
	<i>2.835</i>	<i>5.512</i>	<i>0.315</i>		<i>0.346</i>				<i>0.441</i>
# WDS0810-1500-C	81.00	150.00	8.00	-	8.92	8948	Carbon Steel	Disc Spring Washer	11.70
	<i>3.189</i>	<i>5.906</i>	<i>0.315</i>		<i>0.351</i>				<i>0.461</i>
# WDS0810-150013905-C	81.00	150.00	10.00	-	10.75	13905	Carbon Steel	Disc Spring Washer	13.00
	<i>3.189</i>	<i>5.906</i>	<i>0.394</i>		<i>0.423</i>				<i>0.512</i>
# WDS0820-1600-C	82.00	160.00	4.30	-	5.70	2183	Carbon Steel	Disc Spring Washer	9.90
	<i>3.228</i>	<i>6.299</i>	<i>0.169</i>		<i>0.224</i>				<i>0.390</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 - Carbon 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>
# WDS0820-16004099-C	82.00	160.00	6.00	-	7.13	4099	Carbon Steel	Disc Spring Washer	10.50
	<i>3.228</i>	<i>6.299</i>	<i>0.236</i>		<i>0.281</i>				<i>0.413</i>
# WDS0820-160013826-C	82.00	160.00	10.00	-	10.88	13826	Carbon Steel	Disc Spring Washer	13.50
	<i>3.228</i>	<i>6.299</i>	<i>0.394</i>		<i>0.428</i>				<i>0.531</i>
# WDS0820-2000-C	82.00	200.00	8.00	-	9.55	7799	Carbon Steel	Disc Spring Washer	14.20
	<i>3.228</i>	<i>7.874</i>	<i>0.315</i>		<i>0.376</i>				<i>0.559</i>
# WDS0820-200012937-C	82.00	200.00	10.00	-	11.38	12937	Carbon Steel	Disc Spring Washer	15.50
	<i>3.228</i>	<i>7.874</i>	<i>0.394</i>		<i>0.448</i>				<i>0.610</i>
# WDS0820-200018264-C	82.00	200.00	12.00	-	13.15	18264	Carbon Steel	Disc Spring Washer	16.60
	<i>3.228</i>	<i>7.874</i>	<i>0.472</i>		<i>0.518</i>				<i>0.654</i>
# WDS0920-1800-C	92.00	180.00	4.80	-	6.35	2647	Carbon Steel	Disc Spring Washer	11.00
	<i>3.622</i>	<i>7.087</i>	<i>0.189</i>		<i>0.250</i>				<i>0.433</i>
# WDS0920-18003748-C	92.00	180.00	6.00	-	7.27	3748	Carbon Steel	Disc Spring Washer	11.10
	<i>3.622</i>	<i>7.087</i>	<i>0.236</i>		<i>0.286</i>				<i>0.437</i>
# WDS0920-180012535-C	92.00	180.00	10.00	-	11.00	12535	Carbon Steel	Disc Spring Washer	14.50
	<i>3.622</i>	<i>7.087</i>	<i>0.394</i>		<i>0.433</i>				<i>0.571</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 - Carbon 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>
# WDS0920-2000-C	92.00	200.00	10.00	-	11.40	13761	Carbon Steel	Disc Spring Washer	15.60
	<i>3.622</i>	<i>7.874</i>	<i>0.394</i>		<i>0.449</i>				<i>0.614</i>
# WDS0920-200019916-C	92.00	200.00	12.00	-	13.20	19916	Carbon Steel	Disc Spring Washer	16.80
	<i>3.622</i>	<i>7.874</i>	<i>0.472</i>		<i>0.520</i>				<i>0.661</i>
# WDS0920-200026708-C	92.00	200.00	14.00	-	15.02	26708	Carbon Steel	Disc Spring Washer	18.10
	<i>3.622</i>	<i>7.874</i>	<i>0.551</i>		<i>0.591</i>				<i>0.713</i>
# WDS1020-2000-C	102.00	200.00	5.50	-	7.25	3609	Carbon Steel	Disc Spring Washer	12.50
	<i>4.016</i>	<i>7.874</i>	<i>0.217</i>		<i>0.285</i>				<i>0.492</i>
# WDS1020-20007634-C	102.00	200.00	8.00	-	9.40	7634	Carbon Steel	Disc Spring Washer	13.60
	<i>4.016</i>	<i>7.874</i>	<i>0.315</i>		<i>0.370</i>				<i>0.535</i>
# WDS1020-200014523-C	102.00	200.00	10.00	-	11.40	14523	Carbon Steel	Disc Spring Washer	15.60
	<i>4.016</i>	<i>7.874</i>	<i>0.394</i>		<i>0.449</i>				<i>0.614</i>
# WDS1020-200018292-C	102.00	200.00	12.00	-	13.05	18292	Carbon Steel	Disc Spring Washer	16.20
	<i>4.016</i>	<i>7.874</i>	<i>0.472</i>		<i>0.514</i>				<i>0.638</i>
# WDS1020-200028902-C	102.00	200.00	14.00	-	15.05	28902	Carbon Steel	Disc Spring Washer	18.20
	<i>4.016</i>	<i>7.874</i>	<i>0.551</i>		<i>0.593</i>				<i>0.717</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 - Carbon 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>
# WDS1020-2500-C	102.00	250.00	10.00	-	12.00	12632	Carbon Steel	Disc Spring Washer	18.00
	<i>4.016</i>	<i>9.843</i>	<i>0.394</i>		<i>0.472</i>				<i>0.709</i>
# WDS1020-250018286-C	102.00	250.00	12.00	-	13.75	18286	Carbon Steel	Disc Spring Washer	19.00
	<i>4.016</i>	<i>9.843</i>	<i>0.472</i>		<i>0.541</i>				<i>0.748</i>
# WDS1120-2000-C	112.00	200.00	12.00	-	13.05	19572	Carbon Steel	Disc Spring Washer	16.20
	<i>4.409</i>	<i>7.874</i>	<i>0.472</i>		<i>0.514</i>				<i>0.638</i>
# WDS1120-200025662-C	112.00	200.00	14.00	-	14.88	25662	Carbon Steel	Disc Spring Washer	17.50
	<i>4.409</i>	<i>7.874</i>	<i>0.551</i>		<i>0.586</i>				<i>0.689</i>
# WDS1120-200030493-C	112.00	200.00	16.00	-	16.70	30493	Carbon Steel	Disc Spring Washer	18.80
	<i>4.409</i>	<i>7.874</i>	<i>0.630</i>		<i>0.657</i>				<i>0.740</i>
# WDS1120-2250-C	112.00	225.00	6.50	-	8.27	4456	Carbon Steel	Disc Spring Washer	13.60
	<i>4.409</i>	<i>8.858</i>	<i>0.256</i>		<i>0.326</i>				<i>0.535</i>
# WDS1120-22507071-C	112.00	225.00	8.00	-	9.63	7071	Carbon Steel	Disc Spring Washer	14.50
	<i>4.409</i>	<i>8.858</i>	<i>0.315</i>		<i>0.379</i>				<i>0.571</i>
# WDS1120-225017092-C	112.00	225.00	12.00	-	13.25	17092	Carbon Steel	Disc Spring Washer	17.00
	<i>4.409</i>	<i>8.858</i>	<i>0.472</i>		<i>0.522</i>				<i>0.669</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 - Carbon 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>
# WDS1270-2500-C	127.00	250.00	7.00	-	8.95	5044	Carbon Steel	Disc Spring Washer	14.80
	<i>5.000</i>	<i>9.843</i>	<i>0.276</i>		<i>0.352</i>				<i>0.583</i>
# WDS1270-250011899-C	127.00	250.00	10.00	-	11.75	11899	Carbon Steel	Disc Spring Washer	17.00
	<i>5.000</i>	<i>9.843</i>	<i>0.394</i>		<i>0.463</i>				<i>0.669</i>
# WDS1270-250021069-C	127.00	250.00	12.00	-	13.82	21069	Carbon Steel	Disc Spring Washer	19.30
	<i>5.000</i>	<i>9.843</i>	<i>0.472</i>		<i>0.544</i>				<i>0.760</i>
# WDS1270-25002486-C	127.00	250.00	14.00	-	15.40	2486	Carbon Steel	Disc Spring Washer	19.60
	<i>5.000</i>	<i>9.843</i>	<i>0.551</i>		<i>0.606</i>				<i>0.772</i>
# WDS1270-250038281-C	127.00	250.00	16.00	-	17.45	38281	Carbon Steel	Disc Spring Washer	21.80
	<i>5.000</i>	<i>9.843</i>	<i>0.630</i>		<i>0.687</i>				<i>0.858</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)

