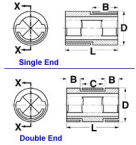




MBA

Hinges - Flexi-Hinge - Precision



Double and Single Ended - Limited Angle Rotary Applications.

Zero Backlash.

Constant Spring Rate.

No lubrication required.

Self centering on removal of load.

-53 to +176 Deg. Celsius operating temperature.

Hinges - Flexi-Hinge - Precision

Part Number	Outside Diameter (D) mm <i>inches</i>	Overall Length (L) mm <i>inches</i>	Min. End Length (B) mm <i>inches</i>	Max Compression Load kg	Deflection at Load	Max Tensile Load kg	Configuration	Max. Angle Travel Deg.	Spring rate grams / Deg.	Material
# HNGD-03.18x05.08-30-00	3.175 <i>0.125</i>	5.080 <i>0.200</i>	0.965 <i>0.038</i>	0.42	Zero Deflection	1.70	Double End	30	0.14	Stainless Steel
# HNGD-03.18x05.08-15-11	3.175 <i>0.125</i>	5.080 <i>0.200</i>	0.965 <i>0.038</i>	11.29	Zero Deflection	11.29	Double End	15	6.61	Stainless Steel
# HNGD-03.18x05.08-15-04	3.175 <i>0.125</i>	5.080 <i>0.200</i>	0.965 <i>0.038</i>	3.97	Zero Deflection	5.67	Double End	15	0.81	Stainless Steel

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Part Number	Outside Diameter (D) mm <i>inches</i>	Overall Length (L) mm <i>inches</i>	Min. End Length (B) mm <i>inches</i>	Max Compression Load kg	Deflection at Load	Max Tensile Load kg	Configuration	Max. Angle Travel Deg.	Spring rate grams / Deg.	Material
# HNGS-03.18x05.08-30-00	3.175 <i>0.125</i>	5.080 <i>0.200</i>	2.235 <i>0.088</i>	0.42	Zero Deflection	1.70	Single End	30	0.14	Stainless Steel
# HNGS-03.18x05.08-15-11	3.175 <i>0.125</i>	5.080 <i>0.200</i>	2.235 <i>0.088</i>	11.29	Zero Deflection	11.29	Single End	15	6.61	Stainless Steel
# HNGS-03.18x05.08-15-04	3.175 <i>0.125</i>	5.080 <i>0.200</i>	2.235 <i>0.088</i>	3.97	Zero Deflection	5.67	Single End	15	0.81	Stainless Steel
# HNGD-03.97x06.35-30-01	3.967 <i>0.156</i>	6.350 <i>0.250</i>	1.270 <i>0.050</i>	0.63	Zero Deflection	2.50	Double End	30	0.18	Stainless Steel
# HNGD-03.97x06.35-15-06	3.967 <i>0.156</i>	6.350 <i>0.250</i>	1.270 <i>0.050</i>	6.12	Zero Deflection	8.75	Double End	15	1.65	Stainless Steel
# HNGD-03.97x06.35-15-18	3.967 <i>0.156</i>	6.350 <i>0.250</i>	1.270 <i>0.050</i>	17.54	Zero Deflection	17.54	Double End	15	13.22	Stainless Steel
# HNGS-03.97x06.35-15-18	3.967 <i>0.156</i>	6.350 <i>0.250</i>	2.896 <i>0.114</i>	17.54	Zero Deflection	17.54	Single End	15	13.22	Stainless Steel
# HNGS-03.97x06.35-15-06	3.967 <i>0.156</i>	6.350 <i>0.250</i>	2.896 <i>0.114</i>	6.12	Zero Deflection	8.75	Single End	15	1.65	Stainless Steel
# HNGS-03.97x06.35-30-01	3.967 <i>0.156</i>	6.350 <i>0.250</i>	2.896 <i>0.114</i>	0.63	Zero Deflection	2.50	Single End	30	0.18	Stainless Steel
# HNGD-04.76x07.62-15-25	4.763 <i>0.188</i>	7.620 <i>0.300</i>	1.524 <i>0.060</i>	24.91	Zero Deflection	24.91	Double End	15	21.51	Stainless Steel

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Hinges - Flexi-Hinge - Precision

Part Number	Outside Diameter (D) mm <i>inches</i>	Overall Length (L) mm <i>inches</i>	Min. End Length (B) mm <i>inches</i>	Max Compression Load kg	Deflection at Load	Max Tensile Load kg	Configuration	Max. Angle Travel Deg.	Spring rate grams / Deg.	Material
# HNGD-04.76x07.62-15-09	4.763 <i>0.188</i>	7.620 <i>0.300</i>	1.524 <i>0.060</i>	8.71	Zero Deflection	12.46	Double End	15	2.67	Stainless Steel
# HNGD-04.76x07.62-30-01	4.763 <i>0.188</i>	7.620 <i>0.300</i>	1.524 <i>0.060</i>	0.89	Zero Deflection	3.48	Double End	30	0.32	Stainless Steel
# HNGS-04.76x07.62-15-25	4.763 <i>0.188</i>	7.620 <i>0.300</i>	3.454 <i>0.136</i>	24.91	Zero Deflection	24.91	Single End	15	21.51	Stainless Steel
# HNGS-04.76x07.62-30-01	4.763 <i>0.188</i>	7.620 <i>0.300</i>	3.454 <i>0.136</i>	0.89	Zero Deflection	3.48	Single End	30	0.32	Stainless Steel
# HNGS-04.76x07.62-15-09	4.763 <i>0.188</i>	7.620 <i>0.300</i>	3.454 <i>0.136</i>	8.71	Zero Deflection	12.46	Single End	15	2.67	Stainless Steel
# HNGD-06.35x10.16-15-45	6.350 <i>0.250</i>	10.160 <i>0.400</i>	2.108 <i>0.083</i>	44.64	Zero Deflection	44.64	Double End	15	52.90	Stainless Steel
# HNGD-06.35x10.16-15-16	6.350 <i>0.250</i>	10.160 <i>0.400</i>	2.108 <i>0.083</i>	15.63	Zero Deflection	22.32	Double End	15	6.61	Stainless Steel
# HNGD-06.35x10.16-30-02	6.350 <i>0.250</i>	10.160 <i>0.400</i>	2.108 <i>0.083</i>	1.61	Zero Deflection	6.34	Double End	30	0.81	Stainless Steel
# HNGS-06.35x10.16-15-45	6.350 <i>0.250</i>	10.160 <i>0.400</i>	4.674 <i>0.184</i>	44.64	Zero Deflection	44.64	Single End	15	52.90	Stainless Steel
# HNGS-06.35x10.16-15-16	6.350 <i>0.250</i>	10.160 <i>0.400</i>	4.674 <i>0.184</i>	15.63	Zero Deflection	22.32	Single End	15	6.61	Stainless Steel

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Hinges - Flexi-Hinge - Precision

Part Number	Outside Diameter (D) mm <i>inches</i>	Overall Length (L) mm <i>inches</i>	Min. End Length (B) mm <i>inches</i>	Max Compression Load kg	Deflection at Load	Max Tensile Load kg	Configuration	Max. Angle Travel Deg.	Spring rate grams / Deg.	Material
# HNGS-06.35x10.16-30-02	6.350 <i>0.250</i>	10.160 <i>0.400</i>	4.674 <i>0.184</i>	1.61	Zero Deflection	6.34	Single End	30	0.81	Stainless Steel
# HNGD-07.94x12.70-30-03	7.938 <i>0.313</i>	12.700 <i>0.500</i>	2.667 <i>0.105</i>	2.54	Zero Deflection	10.18	Double End	30	1.65	Stainless Steel
# HNGD-07.94x12.70-15-25	7.938 <i>0.313</i>	12.700 <i>0.500</i>	2.667 <i>0.105</i>	24.55	Zero Deflection	35.09	Double End	15	13.22	Stainless Steel
# HNGD-07.94x12.70-15-70	7.938 <i>0.313</i>	12.700 <i>0.500</i>	2.667 <i>0.105</i>	70.13	Zero Deflection	70.13	Double End	15	105.67	Stainless Steel
# HNGS-07.94x12.70-15-25	7.938 <i>0.313</i>	12.700 <i>0.500</i>	5.893 <i>0.232</i>	24.55	Zero Deflection	35.09	Single End	15	13.22	Stainless Steel
# HNGS-07.94x12.70-30-03	7.938 <i>0.313</i>	12.700 <i>0.500</i>	5.893 <i>0.232</i>	2.54	Zero Deflection	10.18	Single End	30	1.65	Stainless Steel
# HNGS-07.94x12.70-15-70	7.938 <i>0.313</i>	12.700 <i>0.500</i>	5.893 <i>0.232</i>	70.13	Zero Deflection	70.13	Single End	15	105.67	Stainless Steel
# HNGD-09.53x15.24-15-101	9.525 <i>0.375</i>	15.240 <i>0.600</i>	3.251 <i>0.128</i>	100.89	Zero Deflection	100.89	Double End	15	178.66	Stainless Steel
# HNGD-09.53x15.24-15-35	9.525 <i>0.375</i>	15.240 <i>0.600</i>	3.251 <i>0.128</i>	35.31	Zero Deflection	50.45	Double End	15	21.51	Stainless Steel
# HNGD-09.53x15.24-30-04	9.525 <i>0.375</i>	15.240 <i>0.600</i>	3.251 <i>0.128</i>	3.75	Zero Deflection	15.00	Double End	30	2.90	Stainless Steel

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Part Number	Outside Diameter (D) mm <i>inches</i>	Overall Length (L) mm <i>inches</i>	Min. End Length (B) mm <i>inches</i>	Max Compression Load kg	Deflection at Load	Max Tensile Load kg	Configuration	Max. Angle Travel Deg.	Spring rate grams / Deg.	Material
# HNGS-09.53x15.24-15-35	9.525 <i>0.375</i>	15.240 <i>0.600</i>	7.087 <i>0.279</i>	35.31	Zero Deflection	50.45	Single End	15	21.51	Stainless Steel
# HNGS-09.53x15.24-30-04	9.525 <i>0.375</i>	15.240 <i>0.600</i>	7.087 <i>0.279</i>	3.75	Zero Deflection	15.00	Single End	30	2.90	Stainless Steel
# HNGS-09.53x15.24-15-101	9.525 <i>0.375</i>	15.240 <i>0.600</i>	7.087 <i>0.279</i>	100.89	Zero Deflection	100.89	Single End	15	178.66	Stainless Steel
# HNGD-12.70x20.32-15-63	12.700 <i>0.500</i>	20.320 <i>0.800</i>	4.394 <i>0.173</i>	62.50	Zero Deflection	89.29	Double End	15	52.90	Stainless Steel
# HNGD-12.70x20.32-30-06	12.700 <i>0.500</i>	20.320 <i>0.800</i>	4.394 <i>0.173</i>	6.43	Zero Deflection	25.63	Double End	30	6.61	Stainless Steel
# HNGD-12.70x20.32-15-179	12.700 <i>0.500</i>	20.320 <i>0.800</i>	4.394 <i>0.173</i>	178.57	Zero Deflection	178.57	Double End	15	423.47	Stainless Steel
# HNGS-12.70x20.32-15-179	12.700 <i>0.500</i>	20.320 <i>0.800</i>	9.500 <i>0.374</i>	178.57	Zero Deflection	178.57	Single End	15	423.47	Stainless Steel
# HNGS-12.70x20.32-15-63	12.700 <i>0.500</i>	20.320 <i>0.800</i>	9.500 <i>0.374</i>	62.50	Zero Deflection	89.29	Single End	15	52.90	Stainless Steel
# HNGS-12.70x20.32-30-06	12.700 <i>0.500</i>	20.320 <i>0.800</i>	9.500 <i>0.374</i>	6.43	Zero Deflection	25.63	Single End	30	6.61	Stainless Steel
# HNGD-15.88x25.40-15-94	15.875 <i>0.625</i>	25.400 <i>1.000</i>	5.334 <i>0.210</i>	94.24	Zero Deflection	140.98	Double End	15	105.67	Stainless Steel

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# HNGD-15.88x25.40-15-282	15.875 <i>0.625</i>	25.400 <i>1.000</i>	5.334 <i>0.210</i>	281.92	Zero Deflection	281.92	Double End	15	845.54	Stainless Steel
# HNGD-15.88x25.40-30-10	15.875 <i>0.625</i>	25.400 <i>1.000</i>	5.334 <i>0.210</i>	10.27	Zero Deflection	41.07	Double End	30	13.22	Stainless Steel
# HNGS-15.88x25.40-30-10	15.875 <i>0.625</i>	25.400 <i>1.000</i>	11.913 <i>0.469</i>	10.27	Zero Deflection	41.07	Single End	30	13.22	Stainless Steel
# HNGS-15.88x25.40-15-94	15.875 <i>0.625</i>	25.400 <i>1.000</i>	11.913 <i>0.469</i>	94.24	Zero Deflection	140.98	Single End	15	105.67	Stainless Steel
# HNGS-15.88x25.40-15-282	15.875 <i>0.625</i>	25.400 <i>1.000</i>	11.913 <i>0.469</i>	281.92	Zero Deflection	281.92	Single End	15	845.54	Stainless Steel
# HNGD-19.05x30.48-15-142	19.050 <i>0.750</i>	30.480 <i>1.200</i>	6.680 <i>0.263</i>	141.61	Zero Deflection	202.28	Double End	15	178.66	Stainless Steel
# HNGD-19.05x30.48-15-405	19.050 <i>0.750</i>	30.480 <i>1.200</i>	6.680 <i>0.263</i>	404.51	Zero Deflection	404.51	Double End	15	1455.80	Stainless Steel
# HNGD-19.05x30.48-30-14	19.050 <i>0.750</i>	30.480 <i>1.200</i>	6.680 <i>0.263</i>	14.46	Zero Deflection	57.77	Double End	30	21.51	Stainless Steel
# HNGS-19.05x30.48-30-14	19.050 <i>0.750</i>	30.480 <i>1.200</i>	14.326 <i>0.564</i>	14.46	Zero Deflection	57.77	Single End	30	21.51	Stainless Steel
# HNGS-19.05x30.48-15-405	19.050 <i>0.750</i>	30.480 <i>1.200</i>	14.326 <i>0.564</i>	404.51	Zero Deflection	404.51	Single End	15	1455.80	Stainless Steel

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# HNGS-19.05x30.48-15-142	19.050 <i>0.750</i>	30.480 <i>1.200</i>	14.326 <i>0.564</i>	141.61	Zero Deflection	202.28	Single End	15	178.66	Stainless Steel
# HNGD-25.40x40.64-15-253	25.400 <i>1.000</i>	40.640 <i>1.600</i>	9.220 <i>0.363</i>	252.81	Zero Deflection	361.16	Double End	15	423.47	Stainless Steel
# HNGD-25.40x40.64-30-26	25.400 <i>1.000</i>	40.640 <i>1.600</i>	9.220 <i>0.363</i>	26.43	Zero Deflection	105.63	Double End	30	52.90	Stainless Steel
# HNGD-25.40x40.64-15-721	25.400 <i>1.000</i>	40.640 <i>1.600</i>	9.220 <i>0.363</i>	721.43	Zero Deflection	721.43	Double End	15	3483.16	Stainless Steel
# HNGS-25.40x40.64-15-721	25.400 <i>1.000</i>	40.640 <i>1.600</i>	19.406 <i>0.764</i>	721.43	Zero Deflection	721.43	Single End	15	3483.16	Stainless Steel
# HNGS-25.40x40.64-15-253	25.400 <i>1.000</i>	40.640 <i>1.600</i>	19.406 <i>0.764</i>	252.81	Zero Deflection	361.16	Single End	15	423.47	Stainless Steel
# HNGS-25.40x40.64-30-26	25.400 <i>1.000</i>	40.640 <i>1.600</i>	19.406 <i>0.764</i>	26.43	Zero Deflection	105.63	Single End	30	52.90	Stainless Steel

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