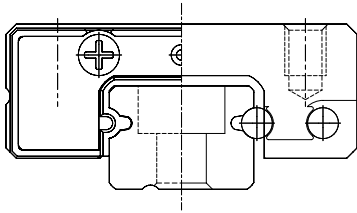
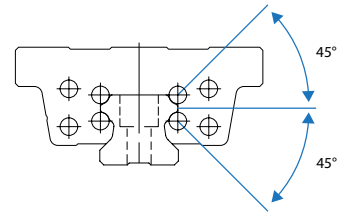




# WON Linear Bearings and Rails

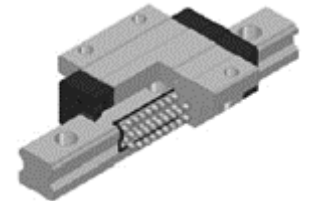
## Product Overview

H-Series has 4 rows of ball bearings continuously circulating and making 45° contact with an arc-groove feature in the rail. This unique configuration provides 4-direction equal load sharing in any direction. This translates into lower friction resistance, smooth motion, and long life.



M & MB-Series have 2 rows of ball bearings continuously circulating and making 4 point 45° contact with an gothic-arc-groove feature in the Rail. This unique configuration provides 4-direction equal load sharing in any direction, in a very compact assembly. This translates into lower friction resistance, smooth motion, and long life.

End Seals are included with all products offered to protect against dust and foreign materials which induce premature wear and shorter life. Optional Inside Seals are offered, on the H-Series for additional protection.





# WON Linear Bearings and Rails

## H-Series Bearings and Rail Features

- Bearing Preload: Moderate
- Precision Classification: Moderate (no symbol)
- Radial Clearance Classification: Common Clearance
- Material: Carbon Steel
- Rail Hardness: HRC58-64
- End Seals included with all bearings
- Grease fitting included

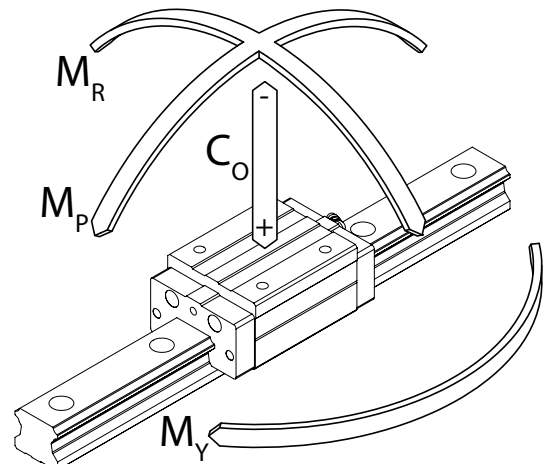
H-Series Linear Bearing Ratings												
Part Number	Price	Bearing Form Factor	Inside Seal	Series Size	Load Ratings							Drawing Links
					Static (C <sub>0</sub> )	Dynamic (C)	Pitch Moment (M <sub>P</sub> )		Yaw Moment (M <sub>Y</sub> )		Roll Moment (M <sub>R</sub> )	
							1 Linear Bearing	2 Linear Bearing	1 Linear Bearing	2 Linear Bearing		
<a href="#">H15FSSG0</a>	\$72.00	flanged	yes	H15	16200 N	9900 N	115 N·m	552 N·m	115 N·m	552 N·m	129 N·m	<a href="#">PDF</a>
<a href="#">H15FUUG0</a>	\$64.00		no									<a href="#">PDF</a>
<a href="#">H15RSSG0</a>	\$69.00	yes	rectangular									<a href="#">PDF</a>
<a href="#">H15RUUG0</a>	\$62.00	no										<a href="#">PDF</a>
<a href="#">H20FSSG0</a>	\$77.00	flanged	yes	H20	23900 N	14900 N	221 N·m	1049 N·m	221 N·m	1049 N·m	251 N·m	<a href="#">PDF</a>
<a href="#">H20FUUG0</a>	\$70.00		no									<a href="#">PDF</a>
<a href="#">H20RSSG0</a>	\$73.00	yes	rectangular									<a href="#">PDF</a>
<a href="#">H20RUUG0</a>	\$66.00	no										<a href="#">PDF</a>
<a href="#">H25FSSG0</a>	\$96.00	flanged	yes	H25	33100 N	22100 N	337 N·m	1636 N·m	337 N·m	1636 N·m	398 N·m	<a href="#">PDF</a>
<a href="#">H25FUUG0</a>	\$89.00		no									<a href="#">PDF</a>
<a href="#">H25RSSG0</a>	\$93.00	yes	rectangular									<a href="#">PDF</a>
<a href="#">H25RUUG0</a>	\$85.00	no										<a href="#">PDF</a>
<a href="#">H30FSSG0</a>	\$108.00	flanged	yes	H30	57100 N	38400 N	711 N·m	3384 N·m	711 N·m	3384 N·m	828 N·m	<a href="#">PDF</a>
<a href="#">H30FUUG0</a>	\$101.00		no									<a href="#">PDF</a>
<a href="#">H30RSSG0</a>	\$104.00	yes	rectangular									<a href="#">PDF</a>
<a href="#">H30RUUG0</a>	\$97.00	no										<a href="#">PDF</a>
<a href="#">H35FSSG0</a>	\$153.00	flanged	yes	H35	74600 N	51100 N	1062 N·m	5012 N·m	1062 N·m	5012 N·m	1298 N·m	<a href="#">PDF</a>
<a href="#">H35FUUG0</a>	\$146.00		no									<a href="#">PDF</a>
<a href="#">H35RSSG0</a>	\$147.00	yes	rectangular									<a href="#">PDF</a>
<a href="#">H35RUUG0</a>	\$142.00	no										<a href="#">PDF</a>



With Inside Seal



Without Inside Seal

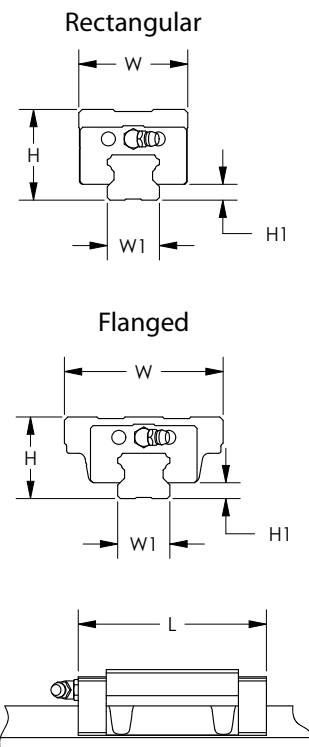




# WON Linear Bearings and Rails

H-Series Linear Rails						
Part Number	Price	Series Size	Length	Parallelism	Mass/Length	Drawing Links
<a href="#">H15-400L</a>	\$72.00	H15	400 mm	8 μm	1300 g/m	<a href="#">PDF</a>
<a href="#">H15-580L</a>	\$104.00		580 mm	11 μm		<a href="#">PDF</a>
<a href="#">H15-760L</a>	\$137.00		760 mm	12 μm		<a href="#">PDF</a>
<a href="#">H15-1000L</a>	\$179.00		1000 mm	13 μm		<a href="#">PDF</a>
<a href="#">H20-400L</a>	\$74.00	H20	400 mm	8 μm	2200 g/m	<a href="#">PDF</a>
<a href="#">H20-580L</a>	\$106.00		580 mm	11 μm		<a href="#">PDF</a>
<a href="#">H20-760L</a>	\$141.00		760 mm	12 μm		<a href="#">PDF</a>
<a href="#">H20-1000L</a>	\$185.00		1000 mm	13 μm		<a href="#">PDF</a>
<a href="#">H25-400L</a>	\$82.00	H25	400 mm	8 μm	3000 g/m	<a href="#">PDF</a>
<a href="#">H25-580L</a>	\$120.00		580 mm	11 μm		<a href="#">PDF</a>
<a href="#">H25-760L</a>	\$158.00		760 mm	12 μm		<a href="#">PDF</a>
<a href="#">H25-1000L</a>	\$208.00		1000 mm	13 μm		<a href="#">PDF</a>
<a href="#">H30-360L</a>	\$80.00	H30	360 mm	8 μm	4850 g/m	<a href="#">PDF</a>
<a href="#">H30-520L</a>	\$114.00		520 mm	11 μm		<a href="#">PDF</a>
<a href="#">H30-760L</a>	\$167.00		760 mm	12 μm		<a href="#">PDF</a>
<a href="#">H30-1000L</a>	\$222.00		1000 mm	13 μm		<a href="#">PDF</a>
<a href="#">H35-360L</a>	\$108.00	H35	360 mm	8 μm	6580 g/m	<a href="#">PDF</a>
<a href="#">H35-520L</a>	\$156.00		520 mm	11 μm		<a href="#">PDF</a>
<a href="#">H35-760L</a>	\$227.00		760 mm	12 μm		<a href="#">PDF</a>
<a href="#">H35-1000L</a>	\$300.00		1000 mm	13 μm		<a href="#">PDF</a>

H-Series Dimensions						
Bearing with Rail	Bearing Form Factor	Height, H (mm)	Width, W (mm)	Length, L (mm)	Clearance, H1 (mm)	Rail Width, W1 (mm)
<b>H15Rxxxx</b>	rectangular	28	34	57	4.7	15
<b>H15Fxxxx</b>	flanged	24	47			
<b>H20Rxxxx</b>	rectangular	30	44	72.7	6	20
<b>H20Fxxxx</b>	flanged	30	63			
<b>H25Rxxxx</b>	rectangular	40	48	83	7	23
<b>H25Fxxxx</b>	flanged	36	70			
<b>H30Rxxxx</b>	rectangular	45	60	97.8	7.5	28
<b>H30Fxxxx</b>	flanged	42	90			
<b>H35Rxxxx</b>	rectangular	55	70	110	9	34
<b>H35Fxxxx</b>	flanged	48	100			





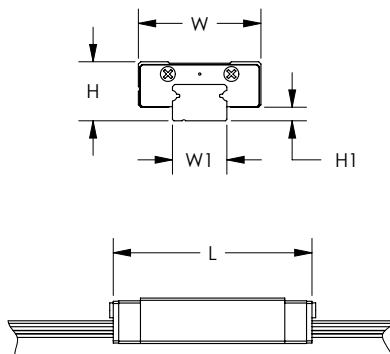
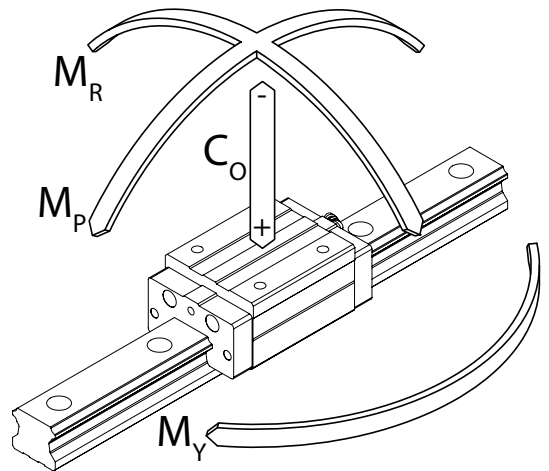
# WON Linear Bearings and Rails

## M-Series Bearings and Rail Features

- Low Profile
- Bearing Preload: Moderate
- Precision Classification: Moderate (no symbol)
- Radial Clearance Classification: Common Clearance
- Bearing Block Housing Material: Stainless Steel
- Rail Material: Stainless Steel
- Bearing Material: SUJ2 Bearing Steel
- Rail Hardness: HRC58-64
- End Seals included with all bearings

M-Series Linear Bearing Ratings											
Part Number	Price	Bearing Form Factor	Series Size	Load Ratings							Drawing Links
				Static (Co)	Dynamic (C)	Pitch Moment (MP)		Yaw Moment (My)		Roll Moment (MR)	
						1 Linear Bearing	2 Linear Bearing	1 Linear Bearing	2 Linear Bearing		
<a href="#">M7LUUG0</a>	\$51.00	rectangular long	M7	2650 N	1631 N	10.1 N·m	50 N·m	10.1 N·m	50 N·m	9.67 N·m	<a href="#">PDF</a>
<a href="#">M7NUUG0</a>	\$45.00	rectangular		1703 N	1197 N	4.2 N·m	23.1 N·m	4.2 N·m	23.1 N·m	6.22 N·m	<a href="#">PDF</a>
<a href="#">M9LUUG0</a>	\$56.00	rectangular long	M9	4030 N	2375 N	21.9 N·m	102.8 N·m	21.9 N·m	102.8 N·m	18.74 N·m	<a href="#">PDF</a>
<a href="#">M9NUUG0</a>	\$48.00	rectangular		2545 N	1721 N	9.3 N·m	46.6 N·m	9.3 N·m	46.6 N·m	11.84 N·m	<a href="#">PDF</a>
<a href="#">M12LUUG0</a>	\$61.00	rectangular long	M12	6200 N	4246 N	34.8 N·m	169.1 N·m	34.8 N·m	169.1 N·m	38.44 N·m	<a href="#">PDF</a>
<a href="#">M12NUUG0</a>	\$53.00	rectangular		3816 N	3023 N	14.4 N·m	75.8 N·m	14.4 N·m	75.8 N·m	23.66 N·m	<a href="#">PDF</a>

M-Series Linear Rails						
Part Number	Price	Series Size	Length	Parallelism	Mass/Length	Drawing Links
<a href="#">M7-85L</a>	\$15.50	M7	85 mm	11 µm	253 g/m	<a href="#">PDF</a>
<a href="#">M7-190L</a>	\$35.00		190 mm	14 µm		<a href="#">PDF</a>
<a href="#">M7-370L</a>	\$67.00		370 mm	18 µm		<a href="#">PDF</a>
<a href="#">M7-610L</a>	\$110.00		610 mm	22 µm		<a href="#">PDF</a>
<a href="#">M9-95L</a>	\$15.00	M9	95 mm	11 µm	391 g/m	<a href="#">PDF</a>
<a href="#">M9-175L</a>	\$27.50		175 mm	14 µm		<a href="#">PDF</a>
<a href="#">M9-495L</a>	\$77.00		495 mm	21 µm		<a href="#">PDF</a>
<a href="#">M9-695L</a>	\$108.00		695 mm	23 µm		<a href="#">PDF</a>
<a href="#">M12-195L</a>	\$35.50	M12	195 mm	15 µm	679 g/m	<a href="#">PDF</a>
<a href="#">M12-320L</a>	\$57.00		320 mm	18 µm		<a href="#">PDF</a>
<a href="#">M12-470L</a>	\$85.00		470 mm	21 µm		<a href="#">PDF</a>
<a href="#">M12-695L</a>	\$127.00		695 mm	23 µm		<a href="#">PDF</a>



M-Series Dimensions					
Bearing with Rail	Height, H (mm)	Width, W (mm)	Length, L (mm)	Clearance, H1 (mm)	Rail Width, W1 (mm)
<a href="#">M7LUUG0</a>	8	17	31.8	1.5	7
<a href="#">M7NUUG0</a>			24.3		
<a href="#">M9LUUG0</a>	10	20	41.4	2	9
<a href="#">M9NUUG0</a>			31.3		
<a href="#">M12LUUG0</a>	13	27	45.4	3	12
<a href="#">M12NUUG0</a>			34.9		



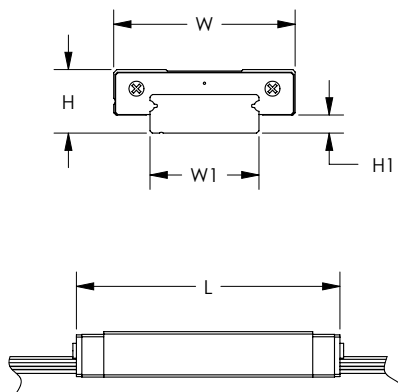
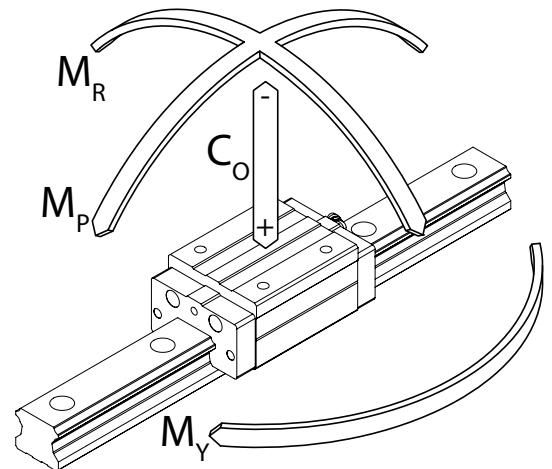
# WON Linear Bearings and Rails

## MB-Series Bearings and Rail Features

- Wide, Low Profile
- Bearing Preload: Moderate
- Precision Classification: Moderate (no symbol)
- Radial Clearance Classification: Common Clearance
- Bearing Block Housing Material: Stainless Steel
- Rail Material: Stainless Steel
- Bearing Material: SUJ2 Bearing Steel
- Rail Hardness: HRC58-64
- End Seals included with all bearings

MB-Series Linear Bearing Ratings											
Part Number	Price	Bearing Form Factor	Series Size	Load Ratings							Drawing Links
				Static (Co)	Dynamic (C)	Pitch Moment (MP)		Yaw Moment (My)		Roll Moment (MR)	
						1 Linear Bearing	2 Linear Bearing	1 Linear Bearing	2 Linear Bearing		
<a href="#">MB7LUUG0</a>	\$63.00	rectangular long	MB7	3975 N	2166 N	22.5 N-m	106.1 N-m	22.5 N-m	106.1 N-m	28.42 N-m	<a href="#">PDF</a>
<a href="#">MB7NUUG0</a>	\$57.00	rectangular		2650 N	1631 N	10.1 N-m	51.1 N-m	10.1 N-m	51.1 N-m	18.95 N-m	<a href="#">PDF</a>
<a href="#">MB9LUUG0</a>	\$71.00	rectangular long	MB9	5303 N	2878 N	37.8 N-m	172.9 N-m	37.8 N-m	172.9 N-m	48.52 N-m	<a href="#">PDF</a>
<a href="#">MB9NUUG0</a>	\$64.00	rectangular		3606 N	2197 N	18.2 N-m	87.6 N-m	18.2 N-m	87.6 N-m	33 N-m	<a href="#">PDF</a>
<a href="#">MB12LUUG0</a>	\$74.00	rectangular long	MB12	9062 N	5539 N	73.8 N-m	338.7 N-m	73.8 N-m	338.7 N-m	110.56 N-m	<a href="#">PDF</a>
<a href="#">MB12NUUG0</a>	\$67.00	rectangular		5723 N	4015 N	31.2 N-m	152.2 N-m	31.2 N-m	152.2 N-m	69.83 N-m	<a href="#">PDF</a>

MB-Series Linear Rails						
Part Number	Price	Series Size	Length	Parallelism	Mass/Length	Drawing Links
<a href="#">MB7-80L</a>	\$28.50	MB7	80 mm	11 µm	560 g/m	<a href="#">PDF</a>
<a href="#">MB7-200L</a>	\$72.00		200 mm	15 µm		<a href="#">PDF</a>
<a href="#">MB7-410L</a>	\$150.00		410 mm	20 µm		<a href="#">PDF</a>
<a href="#">MB7-690L</a>	\$225.00		690 mm	23 µm		<a href="#">PDF</a>
<a href="#">MB9-80L</a>	\$37.00	MB9	80 mm	11 µm	912 g/m	<a href="#">PDF</a>
<a href="#">MB9-200L</a>	\$94.00		200 mm	15 µm		<a href="#">PDF</a>
<a href="#">MB9-410L</a>	\$191.00		410 mm	20 µm		<a href="#">PDF</a>
<a href="#">MB9-690L</a>	\$287.00		690 mm	23 µm		<a href="#">PDF</a>
<a href="#">MB12-110L</a>	\$62.00	MB12	110 mm	12 µm	1369 g/m	<a href="#">PDF</a>
<a href="#">MB12-270L</a>	\$154.00		270 mm	17 µm		<a href="#">PDF</a>
<a href="#">MB12-430L</a>	\$246.00		430 mm	20 µm		<a href="#">PDF</a>
<a href="#">MB12-750L</a>	\$424.00		750 mm	23 µm		<a href="#">PDF</a>



MB-Series Dimensions					
Bearing with Rail	Height, H (mm)	Width, W (mm)	Length, L (mm)	Clearance, H1 (mm)	Rail Width, W1 (mm)
<a href="#">MB7LUUG0</a>	9	25	43.5	2	14
<a href="#">MB7NUUG0</a>			33		
<a href="#">MB9LUUG0</a>	12	30	52	3	18
<a href="#">MB9NUUG0</a>			40.2		
<a href="#">MB12LUUG0</a>	14	40	59.7	4	24
<a href="#">MB12NUUG0</a>			44.5		