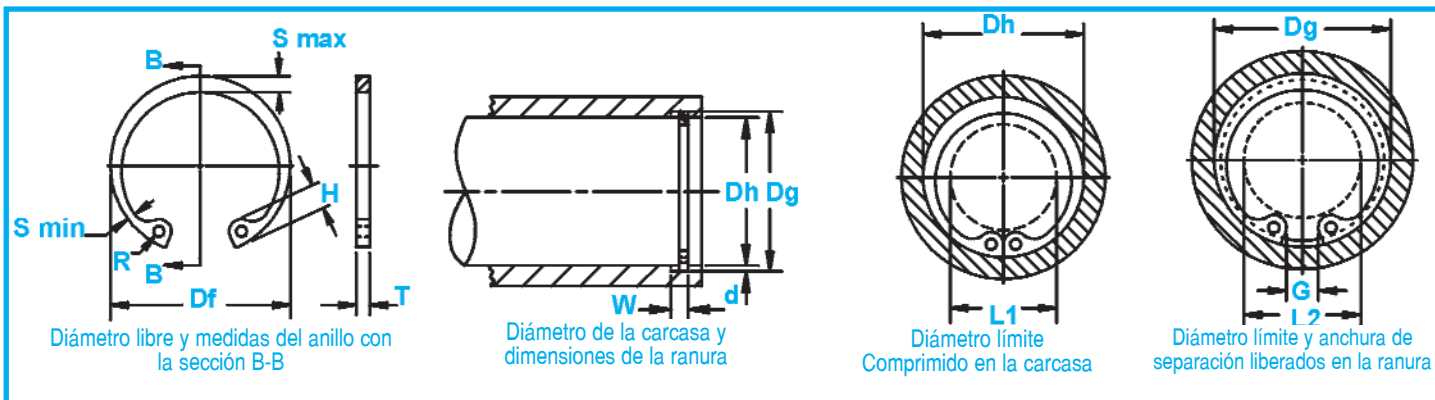




NO. DE ANILLO	DIÁMETRO DE LA CARCASA		TAMAÑO DE RANURA						TAMAÑO Y PESO DEL ANILLO					DIÁM. LÍMITE			î CARGA DE EMPUJE (kN)	
			DIAMETRO			ANCHURA		PROFUN- DIDAD	DIÁMETRO LIBRE		ESPESOR***		Peso por 1000 Piezas	Com-primido en la carcasa	Li-berado en la ranura	Límites de esquinas rectas		
	Dg	tol	F.I.M.*	W	tol	d	Df		tol	T	tol	kg				L1	L2	Pr
MHO-8	8	0.315	8.40	+0.06	0.03	0.50	+0.10	0.20	8.80	+0.25 -0.13	0.4	±0.06	0.05	4.4	4.8	2.4	1.0	
MHO-9	9	0.354	9.45		0.03	0.70		0.23	10.00		0.6		0.11	4.6	5.0	4.4	1.2	
MHO-10	10	0.393	10.50	+0.10	0.03	0.70		0.25	11.10		0.6		0.14	5.5	6.0	4.9	1.5	
MHO-11	11	0.433	11.60		0.05	0.70		0.30	12.20		0.6		0.17	5.7	6.3	5.4	2.0	
MHO-12	12	0.472	12.65		0.05	0.70		0.33	13.30		0.6		0.19	6.7	7.3	5.8	2.4	
MHO-13	13	0.512	13.70		0.05	1.00		0.35	14.25		0.9		0.35	6.8	7.5	8.9	2.6	
MHO-14	14	0.551	14.80		0.05	1.00		0.40	15.45		0.9		0.39	6.9	7.7	9.7	3.2	
MHO-15	15	0.591	15.85		0.05	1.00		0.43	16.60		0.9		0.42	7.9	8.7	10.4	3.7	
MHO-16	16	0.630	16.90		0.10	1.00		0.45	17.70	0.9	0.47	8.8	9.7	11.0	4.2			
MHO-17	17	0.669	18.00		0.10	1.00		0.50	18.90	0.9	0.52	9.8	10.8	11.7	4.9			
MHO-18	18	0.708	19.05	+0.15	0.10	1.00		0.53	20.05	+0.40 -0.25	0.9	±0.08	0.58	10.3	11.3	12.3	5.5	
MHO-19	19	0.748	20.10		0.10	1.00		0.55	21.10		0.9		0.59	11.4	12.5	13.1	6.0	
MHO-20	20	0.787	21.15		0.10	1.00		0.57	22.25		0.9		0.70	11.6	12.7	13.7	6.6	
MHO-21	21	0.826	22.20		0.10	1.00	+0.15	0.60	23.30		0.9		0.82	12.6	13.8	14.5	7.3	
MHO-22	22	0.866	23.30		0.10	1.20		0.65	24.40		1.1		0.90	13.5	14.8	22.5	8.3	
MHO-23	23	0.905	24.35		0.10	1.20		0.67	25.45		1.1		1.00	14.5	15.9	23.5	8.9	
MHO-24	24	0.945	25.40		0.10	1.20		0.70	26.55		1.1		1.09	15.5	16.9	24.8	9.7	
MHO-25	25	0.984	26.60		0.10	1.20		0.80	27.75		1.1		1.26	16.5	18.1	25.7	11.6	
MHO-26	26	1.023	27.70	+0.20	0.15	1.20		0.85	28.85	+0.65 -0.50	1.1	±0.08	1.3	17.5	19.2	26.8	12.7	
MHO-27	27	1.063	28.80		0.15	1.40		0.90	29.95		1.3		1.7	17.4	19.2	33.0	14.0	
MHO-28	28	1.102	29.80		0.15	1.40		0.90	31.10		1.3		1.8	18.2	20.0	34.0	14.6	
MHO-30	30	1.181	31.90		0.15	1.40		0.95	33.40		1.3		2.0	20.0	21.9	37.0	16.5	
MHO-32	32	1.260	33.90		0.15	1.40		0.95	35.35		1.3		2.2	22.0	23.9	39.0	17.6	
MHO-34	34	1.339	36.10		0.15	1.40		1.05	37.75		1.3		2.3	24.0	26.1	42.0	20.6	
MHO-35	35	1.378	37.20		0.15	1.40		1.10	38.75		1.3		2.3	25.0	27.2	43.0	22.3	
MHO-36	36	1.417	38.30		0.15	1.40		1.15	40.00		1.3		2.6	26.0	28.3	44.0	23.9	
MHO-37	37	1.457	39.30	+0.20	0.15	1.40		1.15	41.05	+0.90 -0.65	1.3	±0.08	2.9	27.0	29.3	45.0	24.6	
MHO-38	38	1.496	40.40		0.15	1.40		1.20	42.15		1.3		3.0	28.0	30.4	46.0	26.4	
MHO-40	40	1.575	42.40		0.15	1.75		1.20	44.25		1.6		4.0	29.2	31.6	62.0	27.7	
MHO-42	42	1.654	44.50		0.15	1.75		1.25	46.60		1.6		4.7	29.7	32.2	65.0	30.2	
MHO-45	45	1.772	47.60		0.15	1.75		1.30	49.95		1.6		5.1	32.3	34.9	69.0	33.8	
MHO-46	46	1.811	48.70		0.20	1.75	+0.20	1.35	51.05		1.6		5.2	33.3	36.0	71.0	36.0	
MHO-47	47	1.850	49.80		0.20	1.75		1.40	52.15		1.6		5.8	34.3	37.1	72.0	38.0	
MHO-48	48	1.890	50.90		0.20	1.75		1.45	53.30		1.6		6.1	35.0	37.9	74.0	40.0	
MHO-50	50	1.969	53.10		0.20	1.75		1.55	55.35		1.6		6.2	36.9	40.0	77.0	45.0	

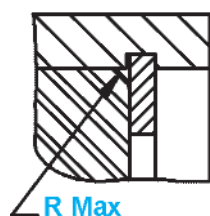
* F.I.M. (MOVIMIENTO TOTAL DE INDICADOR)- DESVIACIÓN MÁXIMA PERMITIDA DE CONCENTRIDAD ENTRE RANURA Y CARCASA.

† BASADO EN LAS CARCASAS Y EJES FABRICADOS CON ACERO LAMINADO EN FRÍO. PARA UNA EXPLICACIÓN DE LAS FÓRMULAS APLICADAS PARA DERIVAR LAS CARGAS DE EMPUJE Y OTROS DATOS DEL RENDIMIENTO, PÓNGASE EN CONTACTO CON EL DEPARTAMENTO DE INGENIERÍA

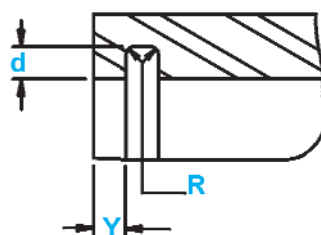
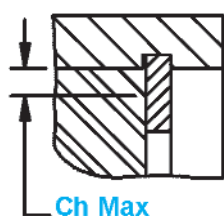
***PARA LOS ANILLOS DE RETENCION CON RECUBRIMIENTO ELECTROLITICO, ANADA 0,05 AL ESPESOR MAXIMO INDICADO. EL ESPESOR DE ANILLO MAXIMO SERA UN MINIMO DE 0,005 MENOR QUE LA ANCHURA (W) MINIMA DE RANURA INDICADA.

Montados axialmente, internos, en unidades métricas ANSI

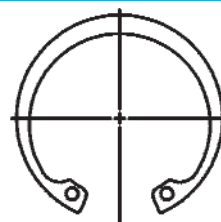
Una vez instalados en la ranura de una carcasa o diámetro interior, el resalte mantiene el conjunto en su lugar.



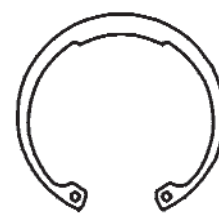
Radio de esquina y bisel admisibles



Vista desarrollada del perfil de ranura y margen del borde (Y) Radio inferior máximo (R), 0,10 para tamaños de anillo -8 a -17; 0,2 para tamaños de anillo -18 a -30; 0,3 para tamaños de anillos 32 a -55; 0,4 para tamaños -56 a -250.



Diseño de orejeta alternativo
Para tamaños mayores
(opción del fabricante)



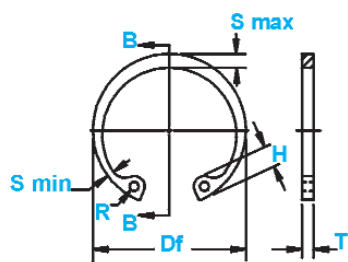
Diseño alternativo
(opción del fabricante)

NO. DE ANILLO	ALTURA DE LA OREJETA	SECCIÓN MÁXIMA	SECCIÓN MÍNIMA	DIÁMETRO DEL AGUJERO	ANCHURA DEL JUEGO Anillo en la ranura	RADIOS DE ESQUINA Y BISEL ADMISIBLES		CARGA MÁX. c/ R max o Ch max	MARGEN DEL BORDE
	H nom	S max/Ref.	S min/Ref.	R min	G	R max	Ch max	P'r	Y
MHO-8	1.7	0.85	0.45	0.8	1.40	0.4	0.3	0.8	0.6
MHO-9	2.1	1.25	0.65	1.0	1.50	0.5	0.35	2.0	0.7
MHO-10	2.1	1.30	0.70	1.0	1.85	0.5	0.35	2.0	0.8
MHO-11	2.5	1.30	0.70	1.0	1.95	0.6	0.4	2.0	0.9
MHO-12	2.5	1.35	0.75	1.0	2.25	0.6	0.4	2.0	1.0
MHO-13	2.9	1.35	0.90	1.2	2.35	0.7	0.5	4.0	1.1
MHO-14	3.3	1.60	0.90	1.2	2.65	0.7	0.5	4.0	1.2
MHO-15	3.3	1.65	0.95	1.5	2.80	0.7	0.5	4.0	1.3
MHO-16	3.4	1.70	0.95	1.5	2.80	0.7	0.5	4.0	1.4
MHO-17	3.4	1.70	0.95	1.5	3.35	0.75	0.6	4.0	1.5
MHO-18	3.6	1.80	1.00	1.5	3.40	0.75	0.6	4.0	1.6
MHO-19	3.6	1.80	1.00	1.5	3.40	0.8	0.65	4.0	1.7
MHO-20	4.0	2.00	1.10	1.5	3.80	0.9	0.7	4.0	1.7
MHO-21	4.0	2.10	1.20	1.5	4.20	0.9	0.7	4.0	1.8
MHO-22	4.0	2.10	1.20	1.5	4.30	0.9	0.7	7.4	1.9
MHO-23	4.0	2.20	1.20	1.5	4.90	1.0	0.8	7.4	2.0
MHO-24	4.0	2.30	1.30	1.5	5.20	1.0	0.8	7.4	2.1
MHO-25	4.0	2.60	1.30	1.5	6.00	1.0	0.8	7.4	2.4
MHO-26	4.0	2.70	1.40	1.5	5.70	1.2	1.0	7.4	2.6
MHO-27	4.6	2.80	1.40	1.9	5.90	1.2	1.0	10.8	2.7
MHO-28	4.6	2.90	1.50	1.9	6.00	1.2	1.0	10.8	2.7
MHO-30	4.6	3.00	1.50	1.9	6.00	1.2	1.0	10.8	2.9
MHO-32	4.6	3.10	1.60	1.9	7.30	1.2	1.0	10.8	2.9
MHO-34	4.6	3.20	1.60	1.9	7.60	1.2	1.0	10.8	3.2
MHO-35	4.6	3.30	1.60	1.9	8.00	1.2	1.0	10.8	3.3
MHO-36	4.6	3.40	1.70	1.9	8.30	1.2	1.0	10.8	3.5
MHO-37	4.6	3.40	1.70	1.9	8.40	1.2	1.0	10.8	3.5
MHO-38	4.6	3.40	1.70	1.9	8.60	1.2	1.0	10.8	3.6
MHO-40	5.1	4.00	2.00	1.9	9.70	1.7	1.3	17.4	3.6
MHO-42	5.8	4.20	2.10	1.9	9.00	1.7	1.3	17.4	3.7
MHO-45	6.0	4.30	2.10	1.9	9.60	1.7	1.3	17.4	3.9
MHO-46	6.0	4.30	2.10	2.3	9.70	1.7	1.3	17.4	4.0
MHO-47	6.0	4.30	2.20	2.3	10.00	1.7	1.3	17.4	4.2
MHO-48	6.0	4.50	2.30	2.3	10.50	1.7	1.3	17.4	4.3
MHO-50	6.0	4.60	2.30	2.3	12.10	1.7	1.3	17.4	4.6

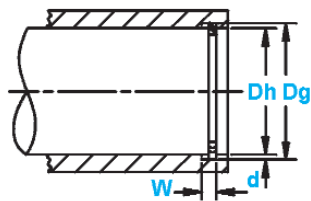
PARA LAS ESPECIFICACIONES DE DUREZA, VEA EL FINAL DE ESTA SECCION.



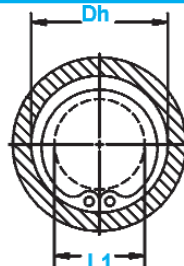
Anillos MHO



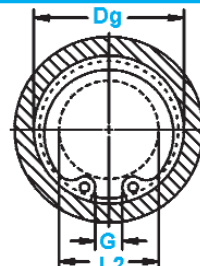
Diámetro libre y medidas del anillo con la sección B-B



Diámetro del eje y dimensiones de la ranura



Diámetro límite Comprimido en la carcasa



Diámetro límite y anchura de separación liberados en la ranura

NO. DE ANILLO	DIAMETRO DE LA CARCASA		TAMANO DE RANURA					TAMANO Y PESO DEL ANILLO					DIAM. LIMITE			CARGA DE EMPUJE (kN)	
			DIAMETRO		ANCHURA		PROFUNDIDAD	DIAMETRO LIBRE		ESPESOR***		Peso por 1000 Piezas	Comprimido en la carcasa	Liberado en la ranura	Límites de esquinas rectas		
															Factor de seguridad del anillo	Factor de seguridad de la ranura	
	Ds mm	Ds INCH	Dg	tol	F.I.M.*	W	tol	d	Df	tol	T	tol	kg	L1	L2	Pr	Pg
MHO-52	52	2.047	55.30	+0.30	0.20	2.15	+0.20	1.65	57.90	+1.00 -0.75	2.0	±0.08	8.1	38.6	41.9	99.0	50.0
MHO-55	55	2.165	58.40		0.20	2.15		1.70	61.10		2.0		8.9	40.8	44.2	105.0	54.0
MHO-57	57	2.244	60.50		0.20	2.15		1.75	63.25		2.0		9.9	42.2	45.7	109.0	58.0
MHO-58	58	2.283	61.60		0.20	2.15		1.80	64.40		2.0		10.1	43.2	46.8	111.0	60.0
MHO-60	60	2.362	63.80		0.20	2.15		1.90	66.80		2.0		10.5	45.5	49.3	115.0	66.0
MHO-62	62	2.441	65.80		0.20	2.15		1.90	68.60		2.0		11.5	47.0	50.8	119.0	68.0
MHO-63	63	2.480	66.90		0.20	2.15		1.95	69.90		2.0		11.6	47.8	51.7	120.0	71.0
MHO-65	65	2.559	69.00		0.20	2.55		2.00	72.20		2.4		15.4	49.4	53.4	149.0	75.0
MHO-68	68	2.677	72.20		0.20	2.55		2.10	75.70		2.4		15.9	52.0	56.2	156.0	82.0
MHO-70	70	2.756	74.40		0.20	2.55		2.20	77.50		2.4		16.1	53.8	58.2	161.0	88.0
MHO-72	72	2.835	76.50	+0.40	0.20	2.55	2.25	79.60	2.4	16.3	55.9	60.4	166.0	93.0			
MHO-75	75	2.953	79.70		0.20	2.55	2.35	83.30	2.4	19.3	58.2	62.9	172.0	101.0			
MHO-78	78	3.071	82.80		0.20	2.95	2.40	86.80	2.8	24.0	61.2	66.0	209.0	108.0			
MHO-80	80	3.150	85.00		0.20	2.95	2.50	89.10	2.8	25.9	63.0	68.0	215.0	115.0			
MHO-82	82	3.228	87.20		0.25	2.95	2.60	91.10	2.8	27.2	63.5	68.7	220.0	122.0			
MHO-85	85	3.346	90.40		0.25	2.95	2.70	94.40	2.8	29.5	66.8	72.2	228.0	131.0			
MHO-88	88	3.464	93.60		0.25	2.95	2.80	97.90	2.8	31.3	69.6	75.2	236.0	141.0			
MHO-90	90	3.543	95.70		0.25	2.95	2.85	100.00	2.8	32.6	71.6	77.3	241.0	147.0			
MHO-92	92	3.622	97.80		0.25	2.95	2.90	102.20	2.8	33.1	73.6	79.4	247.0	153.0			
MHO-95	95	3.740	101.00		0.25	2.95	3.00	105.60	2.8	35.4	76.7	82.7	255.0	164.0			
MHO-98	98	3.858	104.20	0.25	2.95	3.10	109.00	2.8	39.4	78.3	84.5	263.0	174.0				
MHO-100	100	3.937	106.30	+0.50	0.25	2.95	3.15	110.70	2.8	39.9	80.3	86.6	269.0	181.0			
MHO-102	102	4.016	108.40		0.25	2.95	3.20	112.40	2.8	42.2	82.2	88.6	273.0	187.0			
MHO-105	105	4.134	111.50		0.25	2.95	3.25	115.80	2.8	44.0	85.1	91.6	281.0	196.0			
MHO-108	108	4.252	114.60		0.25	2.95	3.30	119.20	2.8	45.8	88.1	94.7	290.0	205.0			
MHO-110	110	4.331	116.70		0.25	2.95	3.35	120.80	2.8	47.6	88.4	95.1	295.0	212.0			
MHO-115	115	4.528	121.90		0.25	2.95	3.45	126.00	2.8	50.3	93.2	100.1	309.0	227.0			
MHO-120	120	4.724	127.00		0.25	2.95	3.50	132.40	2.8	56.2	98.2	105.2	321.0	241.0			
MHO-125	125	4.921	132.10		0.25	2.95	3.55	137.10	2.8	60.0	103.1	110.2	335.0	255.0			
MHO-130	130	5.118	137.20		0.25	2.95	3.60	142.50	2.8	63.5	108.0	115.2	349.0	269.0			
MHO-135	135	5.315	142.30		0.25	3.40	3.65	148.50	3.2	79	110.4	117.7	415.0	283.0			
MHO-140	140	5.512	147.40	0.25	3.40	3.70	154.10	3.2	83	115.3	122.7	429.0	298.0				
MHO-145	145	5.709	152.50	+0.25	0.25	3.40	3.75	159.50	3.2	±0.10	87	120.4	127.9	444.0	313.0		
MHO-150	150	5.906	157.60		0.25	3.40	3.80	164.50	3.2	89	125.3	132.9	460.0	327.0			
MHO-155	155	6.102	162.70		0.30	3.40	3.85	168.80	3.2	91	130.4	138.1	475.0	343.0			
MHO-160	160	6.299	167.80		0.30	4.25	3.90	175.10	4.0	121	133.8	141.6	613.0	359.0			
MHO-165	165	6.496	172.90		0.30	4.25	3.95	180.30	4.0	127	138.7	146.6	632.0	374.0			
MHO-170	170	6.693	178.00		0.30	4.25	4.00	185.60	4.0	138	143.6	151.6	651.0	390.0			
MHO-175	175	6.890	183.20		0.30	4.25	4.10	191.30	4.0	147	146.0	154.2	670.0	403.0			
MHO-180	180	7.087	188.40		0.30	4.25	4.20	196.60	4.0	156	151.4	159.8	690.0	434.0			
MHO-185	185	7.283	193.60		0.30	5.10	4.30	202.70	4.8	194	154.7	163.3	851.0	457.0			
MHO-190	190	7.480	198.80		0.30	5.10	4.40	207.70	4.8	220	159.5	168.3	873.0	480.0			
MHO-200	200	7.874	209.00	+0.50	0.30	5.10	4.50	217.80	4.8	±0.12	235	169.2	178.2	919.0	517.0		
MHO-210	210	8.268	219.40		0.30	5.10	4.70	230.30	4.8	275	177.5	186.9	965.0	566.0			
MHO-220	220	8.661	230.00		0.30	5.10	5.00	240.50	4.8	285	184.1	194.1	1000.0	608.0			
MHO-230	230	9.055	240.60		0.30	5.10	5.30	251.40	4.8	330	194.0	204.6	1060.0	686.0			
MHO-240	240	9.449	251.00		0.30	5.10	5.50	262.30	4.8	365	200.4	211.4	1090.0	725.0			
MHO-250	250	9.843	261.40		0.30	5.10	5.70	273.30	4.8	375	210.0	221.4	1150.0	808.0			

* F.I.M. (MOVIMIENTO TOTAL DE INDICADOR)- DESVIACIÓN MÁXIMA PERMITIDA DE CONCENTRIDAD ENTRE RANURA Y CARCASA.

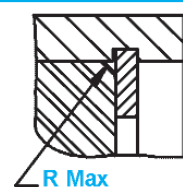
† BASADO EN LAS CARCASAS Y EJES FABRICADOS CON ACERO LAMINADO EN FRÍO. PARA UNA EXPLICACIÓN DE LAS FÓRMULAS APLICADAS PARA DERIVAR LAS CARGAS DE EMPUJE Y OTROS DATOS DEL RENDIMIENTO, PÓNGASE EN CONTACTO CON EL DEPARTAMENTO DE INGENIERÍA

*** PARA LOS ANILLOS DE RETENCIÓN CON RECUBRIMIENTO ELECTROLÍTICO, AÑADA 0,05 AL ESPESOR MÁXIMO INDICADO.

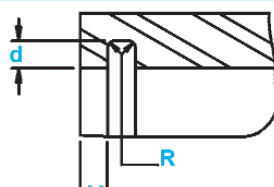
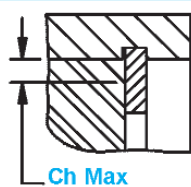
EL ESPESOR DE ANILLO MÁXIMO SERÁ UN MÍNIMO DE 0,005 MENOR QUE LA ANCHURA (W) MÍNIMA DE RANURA INDICADA.

Montados axialmente, externos, en unidades métricas ANSI

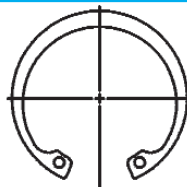
Una vez instalados en la ranura de un eje, el resalte mantiene el conjunto en su lugar.



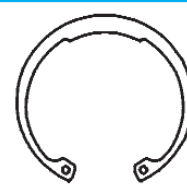
Radio de esquina y bisel admisibles



Vista desarrollada del perfil de ranura y margen del borde (Y) Radio interior máximo (R), 0,10 para tamaños de anillo -8 a -17; 0,2 para tamaños de anillo -18 a -30; 0,3 para tamaños de anillos 32 a -55; 0,4 para tamaños -56 a -250.



Diseño de orejeta alternativo
Para tamaños mayores
(opción del fabricante)



Diseño alternativo
(opción del fabricante)

NO. DE ANILLO	ALTURA DE LA OREJETA	SECCIÓN MÁXIMA	SECCIÓN MÍNIMA	DIÁMETRO DEL AGUJERO	ANCHURA DEL JUEGO Anillo en la ranura	RADIOS DE ESQUINA Y BISEL ADMISIBLES		CARGA MÁX. c/ R max o Ch max	MARGEN DEL BORDE
	H nom	S max/Ref.	S min/Ref.	R min	G	R max	Ch max	P'r	Y
MHO-52	6.4	4.70	2.30	2.3	11.70	2.0	1.6	27.4	5.0
MHO-55	6.7	5.10	2.50	2.3	11.90	2.0	1.6	27.4	5.1
MHO-57	6.9	5.20	2.50	2.3	12.50	2.0	1.6	27.4	5.3
MHO-58	6.9	5.30	2.60	2.3	13.00	2.0	1.6	27.4	5.4
MHO-60	6.9	5.30	2.60	2.3	12.70	2.0	1.6	27.4	5.7
MHO-62	7.1	5.30	2.60	2.7	14.00	2.0	1.6	27.4	5.7
MHO-63	7.1	5.40	2.70	2.7	14.20	2.0	1.6	27.4	5.9
MHO-65	7.4	5.60	2.80	2.7	14.20	2.0	1.6	42.0	6.0
MHO-68	7.6	5.80	2.90	2.7	14.40	2.3	1.8	39.0	6.3
MHO-70	7.6	5.80	2.90	2.7	16.10	2.3	1.8	39.0	6.6
MHO-72	7.6	5.80	2.90	2.7	17.40	2.3	1.8	39.0	6.7
MHO-75	7.9	6.20	3.10	2.7	16.80	2.3	1.8	54.0	7.1
MHO-78	7.9	6.50	3.20	3.1	17.60	2.5	2.0	54.0	7.2
MHO-80	7.9	6.70	3.30	3.1	17.20	2.5	2.0	54.0	7.5
MHO-82	8.7	6.90	3.40	3.1	18.80	2.6	2.1	54.0	7.8
MHO-85	8.7	7.00	3.60	3.1	19.10	2.6	2.1	54.0	8.1
MHO-88	8.7	7.30	3.60	3.1	20.40	2.8	2.2	54.0	8.4
MHO-90	8.7	7.40	3.60	3.1	21.40	2.8	2.2	54.0	8.6
MHO-92	8.7	7.60	3.80	3.1	22.20	2.9	2.4	54.0	8.7
MHO-95	8.7	7.80	3.90	3.1	22.60	3.0	2.5	54.0	9.0
MHO-98	9.4	8.10	4.10	3.1	22.60	3.0	2.5	54.0	9.3
MHO-100	9.4	8.20	4.10	3.1	24.10	3.1	2.5	54.0	9.5
MHO-102	9.4	8.40	4.20	3.1	25.50	3.2	2.6	54.0	9.6
MHO-105	9.4	8.40	4.30	3.1	26.00	3.3	2.6	54.0	9.8
MHO-108	9.4	8.50	4.60	3.1	26.40	3.5	2.7	54.0	9.9
MHO-110	10.3	8.70	4.60	3.8	27.50	3.6	2.8	54.0	10.1
MHO-115	10.3	8.90	4.60	3.8	29.40	3.7	2.9	54.0	10.4
MHO-120	10.3	9.40	4.60	3.8	27.20	3.9	3.1	54.0	10.5
MHO-125	10.3	9.50	4.70	3.8	30.30	4.0	3.2	54.0	10.7
MHO-130	10.3	9.80	4.90	3.8	31.00	4.0	3.2	54.0	10.8
MHO-135	11.6	10.40	5.00	3.8	30.40	4.3	3.4	67.0	11.0
MHO-140	11.6	10.40	5.00	3.8	30.40	4.3	3.4	67.0	11.1
MHO-145	11.6	10.60	5.30	3.8	31.60	4.3	3.4	67.0	11.3
MHO-150	11.6	10.80	5.40	3.8	33.50	4.3	3.4	67.0	11.4
MHO-155	11.6	10.80	5.40	3.8	37.00	4.3	3.4	67.0	11.6
MHO-160	12.3	10.90	5.40	4.6	35.00	4.5	3.6	102.0	11.7
MHO-165	12.3	11.10	5.60	4.6	33.10	4.6	3.7	102.0	11.9
MHO-170	12.3	11.40	5.60	4.6	38.20	4.6	3.7	102.0	12.0
MHO-175	13.5	11.60	5.70	4.6	37.70	4.8	3.8	102.0	12.3
MHO-180	13.5	12.00	5.90	4.6	39.00	5.0	4.0	102.0	12.6
MHO-185	14.2	12.40	6.00	4.6	37.30	5.1	4.1	151.0	12.9
MHO-190	14.2	12.90	6.30	4.6	35.00	5.3	4.3	151.0	13.2
MHO-200	14.2	13.30	6.50	4.6	43.90	5.4	4.3	151.0	13.5
MHO-210	15.2	14.20	6.90	4.6	40.60	5.8	4.6	151.0	14.1
MHO-220	16.8	15.00	7.30	4.6	38.30	6.1	4.9	151.0	15.0
MHO-230	16.8	15.50	7.50	4.6	49.00	6.3	5.1	151.0	15.9
MHO-240	18.7	16.30	7.70	4.6	45.40	6.6	5.3	151.0	16.5
MHO-250	18.7	16.70	7.80	4.6	53.00	6.7	5.4	151.0	17.1

GAMAS DE DUREZA: ANILLOS DE ACERO AL CARBONO (SAE 1060-1090)

TIPO DE ANILLO	GAMA DE TAMAÑOS	ESCALA	DUREZA ROCKWELL
MHO	8	15N	86-88
	9-13	30N	69.5-73
	14-20	30N	68.5-72
	21-26	30N	67.5-71
	27-250	C	48-52

GAMAS DE DUREZA: ANILLOS DE ACERO INOXIDABLE (PH 15-7MO)

TIPO DE ANILLO	GAMA DE TAMAÑOS	ESCALA	DUREZA ROCKWELL
MHO	8	15N	82.5-86
	9-26	30N	63-69.5
	27-250	C	44-51