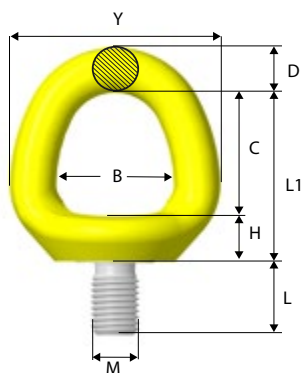




	RELP	RLP	DLP	BLP
Espacio Reducido	✓		✓	✓
Altura limitada (largo efectivo)	✓	✓		
Izaje Vertical	✓	✓		✓
Izaje Angular		✓	✓	✓
Rotación vertical bajo carga				✓
Ladeo bajo carga		✓	✓	✓
Superficie de carga sensible				✓
Izaje de una parte	✓	✓		✓
Izaje de partes múltiples		✓	✓	✓
Combinación Integrada (gancho o eslabón)		✓		
Preparado para RFID		✓	✓	✓

Este cuadro es solo una guía para escoger los puntos de izaje correctos y no son reglas rígidas para su uso. Para consejos más detallados contáctese con su distribuidor Gunnebo más cercano.

Punto de Izaje con Ojo Rotativo RELP



No. de Parte	Código	B	C	D	E	H	L	L1	M	Y	Z	Peso de c/u (lbs)
Z102408	RELP-M8 x 1.25	1.10	1.10	0.43	1.57	0.55	0.59	1.65	0.31	1.97	1.14	0.44
Z102410	RELP-M10 x 1.5	1.10	1.10	0.43	1.57	0.55	0.59	1.65	0.39	1.97	1.14	0.44
Z102412	RELP-M12 x 1.75	1.26	1.30	0.51	1.81	0.51	0.79	1.85	0.47	2.28	1.50	0.66
Z102416	RELP-M16 x 2	1.54	1.61	0.59	2.09	0.63	0.94	2.24	0.63	2.76	1.57	1.10
Z102420	RELP-M20 x 2.5	1.65	1.69	0.63	2.36	0.71	1.18	2.36	0.79	3.07	1.81	1.54
Z102424	RELP-M24 x 3	1.97	2.01	0.75	2.68	0.79	1.42	2.80	0.94	3.46	1.73	2.43
Z102430	RELP-M30 x 3.5	2.36	2.44	1.02	3.35	1.10	1.77	3.54	1.18	4.41	2.52	5.29
Z102436	RELP-M36 x 4	2.83	2.83	1.26	3.82	1.26	2.13	4.09	1.42	5.35	2.91	9.04
Z102442	RELP-M42 x 4.5	3.23	3.23	1.50	4.72	1.46	2.48	4.69	1.65	6.22	3.58	14.77
Z102448	RELP-M48 x 5	3.70	3.78	1.69	5.59	1.54	2.83	5.31	1.89	7.09	4.02	21.83

Perno de acuerdo con: ISO 898-1 Class 10.9

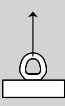
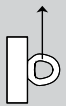
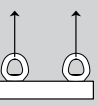
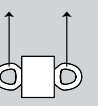
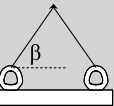
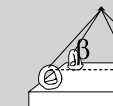
RELP Con Roscas UNC

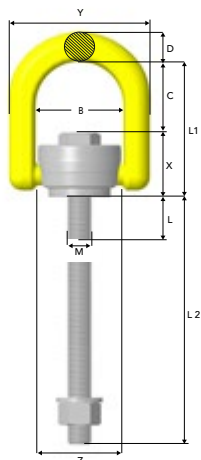


No. de Parte	Código	B	C	D	E	H	L	L1	Y	Z	M	Peso de c/u (lbs)
Z102508	RELP 5/16"-18 UNC	1.10	1.10	0.43	1.57	0.55	0.59	1.65	1.97	1.14	5/16"	0.44
Z102510	RELP 3/8"-16 UNC	1.10	1.10	0.43	1.57	0.55	0.59	1.65	1.97	1.14	3/8"	0.44
Z102512	RELP 1/2"-13 UNC	1.26	1.30	0.51	1.81	0.51	0.79	1.85	2.28	1.50	1/2"	0.66
Z102516	RELP 5/8"-11 UNC	1.54	1.61	0.59	2.09	0.63	0.94	2.24	2.76	1.57	5/8"	1.10
Z102520	RELP 3/4"-10 UNC	1.65	1.69	0.63	2.36	0.71	1.18	2.36	3.07	1.81	3/4"	1.54
Z102521	RELP 7/8"-9 UNC	1.65	1.69	0.63	2.36	0.71	1.18	2.36	3.07	1.81	7/8"	1.54
Z102524	RELP 1"-8 UNC	1.97	2.01	0.75	2.68	0.79	1.42	2.80	3.46	1.73	1"	2.43
Z102530	RELP 1 1/4"-7 UNC	2.36	2.44	1.02	3.35	1.10	1.77	3.54	4.41	2.52	1 1/4"	5.29
Z102536	RELP 1 1/2"-6 UNC	2.83	2.83	1.26	3.82	1.26	2.13	4.09	5.35	2.91	1 1/2"	9.04
Z102542	RELP 1 3/4"-5 UNC	3.23	3.23	1.50	4.72	1.46	2.48	4.69	6.22	3.58	1 3/4"	14.99
Z102548	RELP 2"-4.5 UNC	3.70	3.78	1.69	5.59	1.54	2.83	5.31	7.09	4.02	2"	22.05

Perno de acuerdo con: ISO 898-1 Class 10.9

Cargas Límites de Trabajo* - RELP

Carga simétrica (lb)										
No. de ramas	1	1	2	2	2 Simétrica	3 & 4 Simétrica				
Angle β	0°	90°	0°	90°	45°	30°	45°	30°	Torque de ajuste	Llave Allen
RELP - M8 x 1.25	1543	661	3086	1322	882	661	1322	882	10 Nm	8 mm
RELP 5/16"-18 UNC	1543	661	3086	1322	882	661	1322	882	7Ft.Lbs	5/16" UNC
RELP-M10x1,5	2645	1102	5290	2204	1543	1102	2204	1543	15 Nm	8 mm
RELP 3/8"-16 UNC	2645	1102	5290	2204	1543	1102	2204	1543	11Ft.Lbs	5/16" UNC
RELP - M12x1,75	4408	1763	8816	3526	2424	1763	3526	2645	27 Nm	8 mm
RELP 1/2"-13 UNC	4408	1763	8816	3526	2424	1763	3526	2645	20Ft.Lbs	5/16" UNC
RELP - M16x2	7714	3306	15428	6612	4628	3306	6832	4849	60 Nm	8 mm
RELP 5/8"-11 UNC	7714	3306	15428	6612	4628	3306	6832	4849	44Ft.Lbs	5/16" UNC
RELP - M20x2,5	13444	5290	26889	10579	7273	5290	11020	7934	90 Nm	19 mm
RELP 3/4"-10 UNC	11020	5069	22040	10138	6832	5069	10579	7494	66Ft.Lbs	3/4" UNC
RELP 7/8"-9 UNC	13444	6392	26889	12783	8948	6392	13422	9477	66Ft.Lbs	3/4" UNC
RELP - M24x3	17852	7273	35705	14546	10138	7273	15208	10800	135 Nm	19 mm
RELP 1"-8 UNC	17852	7273	35705	14546	10138	7273	15208	10800	100Ft.Lbs	3/4" UNC
RELP - M30x3,5	26668	10138	53337	20277	14106	10138	21158	15208	270 Nm	19 mm
RELP 1 1/4"-7 UNC	26668	10138	53337	20277	14106	10138	21158	15208	200Ft.Lbs	3/4" UNC
RELP - M36x4	35484	15648	70969	31297	21820	15648	32840	23362	320 Nm	19 mm
RELP 1 1/2"-6 UNC	35484	15648	70969	31297	21820	15648	32840	23362	236Ft.Lbs	3/4" UNC
RELP - M42x4,5	52896	20056	105792	40113	28079	20056	42118	29974	600 Nm	19 mm
RELP 1 3/4"-5 UNC	52896	20056	105792	40113	28079	20056	42118	29974	440Ft.Lbs	3/4" UNC
RELP - M48x5	70528	26668	141056	53337	37336	26668	56004	39892	800 Nm	19 mm
RELP 2"-4,5 UNC	70528	26668	141056	53337	37336	26668	56004	39892	590Ft.Lbs	3/4" UNC



Punto de Izaje Rotatorio RLP



No. de Parte Perno Estándar	L	No. de Parte Perno Largo**	L2	Código	B	C	D	L1	M	X	Y	Z	Peso de c/u (lbs)***
Z101708	0.63	Z1017080L	3.98	RLP-M8 x 1.25	1.65	1.38	0.47	2.44	0.31	1.06	2.52	Ø1.57	0.66
Z101710	0.63	Z1017100L	3.98	RLP -M10 x 1.5	1.65	1.38	0.47	2.44	0.39	1.06	2.52	Ø1.57	0.66
Z101712	0.98	Z1017120L	4.72	RLP -M12 x 1.75	2.24	1.81	0.75	3.46	0.47	1.65	3.58	Ø2.13	2.20
Z101716	0.98	Z1017160L	6.30	RLP-M16 x 2	2.24	1.81	0.75	3.46	0.63	1.65	3.58	Ø2.13	2.20
Z101720	1.42	Z1017200L	7.87	RLP-M20 x 2.5	3.27	2.17	1.10	4.33	0.79	2.17	5.24	Ø3.15	6.39
Z101724	1.42	Z1017240L	9.45	RLP-M24 x 3	3.27	2.17	1.10	4.33	0.94	2.17	5.24	Ø3.15	6.39
Z101730	2.28	Z1017300L	11.81	RLP-M30 x 3.5	4.49	2.76	1.34	5.83	1.18	3.07	7.17	Ø4.37	15.65
Z101736	2.28	Z1017360L	11.81	RLP-M36 x 4	4.49	2.76	1.34	5.83	1.42	3.07	7.17	Ø4.37	16.09
Z101742	3.19	Z1017420L	11.85	RLP-M42 x 4.5	5.87	3.58	1.57	7.48	1.65	3.90	9.02	Ø5.59	31.53
Z101748	3.19	Z1017480L	11.85	RLP-M48 x 5	5.87	3.58	1.57	7.48	1.89	3.90	9.02	Ø5.59	31.97

** Perno Largo suministrado con tuerca y arandela. ***El peso es calculado con Perno Largo Estándar.
Perno, tuerca y arandela de acuerdo con: ISO 898-1 Class 10.9.

RLP con rosca UNC



No. de Parte Perno Estándar	L	No. de Parte Perno Largo**	L2	Código	B	C	D	L1	X	Y	Z	M	Peso de c/u (lbs)***
Z101808	0.63	Z1018080L	3.98	RLP-5/16"-18 UNC	1.65	1.38	0.47	2.44	1.06	2.52	Ø1.57	5/16"	0.66
Z101810	0.63	Z1018100L	3.98	RLP-3/8"-16 UNC	1.65	1.38	0.47	2.44	1.06	2.52	Ø1.57	3/8"	0.66
Z101812	0.98	Z1018120L	4.72	RLP-1/2"-13 UNC	2.24	1.81	0.75	3.46	1.65	3.58	Ø2.13	1/2"	2.20
Z101816	0.98	Z1018160L	6.30	RLP-5/8"-11 UNC	2.24	1.81	0.75	3.46	1.65	3.58	Ø2.13	5/8"	2.20
Z101820	1.42	Z1018200L	7.87	RLP-3/4"-10 UNC	3.27	2.17	1.10	4.33	2.17	5.24	Ø3.15	3/4"	6.39
Z101821	1.42	Z1018210L	7.87	RLP-7/8"-9 UNC	3.27	2.17	1.10	4.33	2.17	5.24	Ø3.15	7/8"	6.39
Z101824	1.42	Z1018240L	9.45	RLP 1"-8 UNC	3.27	2.17	1.10	4.33	2.17	5.24	Ø3.15	1"	6.39
Z101830	2.28	Z1018300L	11.81	RLP 1 1/4"-7 UNC	4.49	2.76	1.34	5.83	3.07	7.17	Ø4.37	1 1/4"	15.65
Z101836	2.28	Z1018360L	11.81	RLP 1 1/2"-6 UNC	4.49	2.76	1.34	5.83	3.07	7.17	Ø4.37	1 1/2"	16.09
Z101842	3.19	Z1018420L	11.85	RLP 1 3/4"-5 UNC	5.87	3.58	1.57	7.48	3.90	9.02	Ø5.59	1 3/4"	31.75
Z101848	3.19	Z1018480L	11.85	RLP 2"-4.5 UNC	5.87	3.58	1.57	7.48	3.90	9.02	Ø5.59	2"	32.41

Perno Largo suministrado con tuerca y arandela** El peso es calculado con el largo estándar del perno. Perno, Tuerca y arandela cumplen con: ISO 898-1 Class 10.9

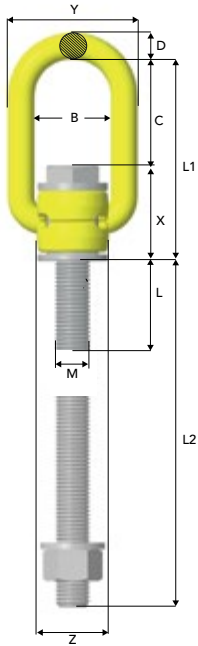
Cargas Límites de Trabajo* - RLP

Carga simétrica (lb)										
No. de ramales	1	1	2	2	2 Simétrica	3 & 4 Simétrica				
Angle β	0°	90°	0°	90°	45°	30°	45°	30°	Torque de ajuste	Tamaño de llave
RLP - M8 x 1.25	1763	882	3526	1763	1102	882	1763	1322	10 Nm	13 mm
RLP 5/16"-18 UNC	1763	882	3526	1763	1102	882	1763	1322	7 Ft.lb	1/2"
RLP - M10 x 1.5	2645	1543	5290	3086	1984	1543	3086	2204	15 Nm	13 mm
RLP 3/8"-16 UNC	2645	1433	5290	2865	1984	1322	2865	1984	11 Ft.lb	1/2"
RLP - M12 x 1.75	4408	2645	8816	5290	3526	2645	5510	3967	27 Nm	24 mm
RLP 1/2"-13 UNC	4408	2645	8816	5290	3526	2645	5510	3967	20 Ft.lb	15/16"
RLP - M16 x 2	7053	4408	14106	8816	6171	4408	9257	6612	60 Nm	24 mm
RLP 5/8"-11 UNC	7053	4408	14106	8816	6171	4408	9257	6612	44 Ft.lb	15/16"
RLP - M20 x 2.5	12342	6171	24685	12342	8596	6171	12783	9257	90 Nm	32 mm
RLP 3/4"-10 UNC	11020	5510	22040	11020	7714	5510	11461	8155	66 Ft.lb	1 5/16"
RLP 7/8"-9 UNC	12342	6171	24685	12342	8596	6171	12783	9257	66 Ft.lb	1 5/16"
RLP - M24 x 3	17632	10138	35264	20277	14106	10138	21158	15208	135 Nm	32 mm
RLP 1"-8 UNC	17632	10138	35264	20277	14106	10138	21158	15208	100 Ft.lb	1 5/16"
RLP - M30 x 3.5	26448	13224	52896	26448	18514	13224	27770	19836	270 Nm	55 mm
RLP 1 1/4"-7 UNC	26448	13224	52896	26448	18514	13224	27770	19836	200 Ft.lb	2 1/4"
RLP - M36 x 4	30856	17632	61712	35264	24685	17632	37027	26448	320 Nm	55 mm
RLP 1 1/2"-6 UNC	30856	17632	61712	35264	24685	17632	37027	26448	236 Ft.lb	2 1/4"
RLP - M42 x 4.5	35264	30856	70528	61712	43198	30856	64798	46284	600 Nm	75 mm
RLP 1 3/4"-5 UNC	35264	30856	70528	61712	43198	30856	64798	46284	440 Ft.lb	3"
RLP - M48 x 5	44080	35264	88160	70528	49370	35264	74054	52896	800 Nm	75 mm
RLP 2"-4.5 UNC	44080	35264	88160	70528	49370	35264	74054	52896	590 Ft.lb	3"



El desarmado es fácil del RLP, simplemente doble la argolla "D" hacia adelante y empuje hacia abajo.

Punto de izaje Descentrado DLP



No. de Parte Perno Estándar	L	No. de Parte Perno Largo**	L2	Código	B	C	D	E	F	G	L1	M	X	Y	Z	Peso de c/u (lbs)***
Z102208	0.51	Z1022080L	3.84	DLP-M8 x 1.25	1.38	1.89	0.39	1.54	0.55	0.39	3.07	0.31	1.18	2.17	1.02	0.66
Z102210	0.51	Z1022100L	3.84	DLP -M10 x 1.5	1.38	1.89	0.39	1.54	0.55	0.39	3.07	0.39	1.18	2.17	1.02	0.66
Z102212	0.91	Z1022120L	4.65	DLP -M12 x 1.75	1.38	1.89	0.47	2.01	0.79	0.55	3.58	0.47	1.73	2.32	1.26	1.10
Z102216	0.91	Z1022160L	6.22	DLP-M16 x 2	1.38	1.89	0.47	2.01	0.79	0.55	3.58	0.63	1.73	2.32	1.26	1.10
Z102220	1.34	Z1022200L	7.80	DLP-M20 x 2.5	2.13	3.46	0.71	2.80	1.10	0.71	5.71	0.79	2.28	3.54	1.89	3.53
Z102224	1.34	Z1022240L	9.37	DLP-M24 x 3	2.13	3.46	0.71	2.80	1.10	0.71	5.71	0.94	2.28	3.54	1.89	3.75
Z102230	2.09	Z1022300L	11.61	DLP-M30 x 3.5	3.23	3.70	1.02	4.09	1.54	1.06	7.17	1.18	3.46	4.80	2.95	11.02
Z102236	2.09	Z1022360L	11.61	DLP-M36 x 4	3.23	3.70	1.02	4.09	1.54	1.06	7.17	1.42	3.46	4.80	2.95	11.46
Z102242	2.87	Z1022420L	11.54	DLP-M42 x 4.5	3.94	4.09	1.42	5.35	2.13	1.34	8.50	1.65	4.45	6.14	4.33	25.57
Z102248	2.87	Z1022480L	11.54	DLP-M48 x 5	3.94	4.06	1.42	5.35	2.13	1.34	8.50	1.89	4.45	6.14	4.33	26.24

** Perno largo suministrado con tuerca y arandela. *** El peso es calculado con Perno largo Estándar. Perno, tuerca y arandela, cumple con: ISO 898-1 Class 10.9

DLP con Roscas UNC

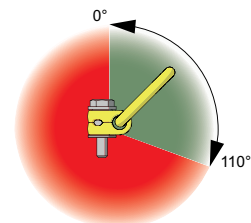


No. de Parte Perno Estándar	L	No. de Parte Perno Largo**	L2	Código	B	C	D	E	F	G	L1	X	Y	Z	M	Peso de c/u (lbs)***
Z102308	0.51	Z1023080L	3.84	DLP-5/16"-18 UNC	1.38	1.89	0.39	1.54	0.55	0.39	3.07	1.18	2.17	1.02	5/16"	0.66
Z102310	0.51	Z1023100L	3.84	DLP-3/8"-16 UNC	1.38	1.89	0.39	1.54	0.55	0.39	3.07	1.18	2.17	1.02	3/8"	0.66
Z102312	0.91	Z1023120L	4.65	DLP-1/2"-13 UNC	1.38	1.89	0.47	2.01	0.79	0.55	3.58	1.73	2.32	1.26	1/2"	1.10
Z102316	0.91	Z1023160L	6.22	DLP-5/8"-11 UNC	1.38	1.89	0.47	2.01	0.79	0.55	3.58	1.73	2.32	1.26	5/8"	1.10
Z102320	1.34	Z1023200L	7.80	DLP-3/4"-10 UNC	2.13	3.46	0.71	2.80	1.10	0.71	5.71	2.28	3.54	1.89	3/4"	3.53
Z102321	1.34	Z1023210L	7.80	DLP-7/8"-9 UNC	2.13	3.46	0.71	2.80	1.10	0.71	5.71	2.28	3.54	1.89	7/8"	3.53
Z102324	1.34	Z1023240L	9.37	DLP-1"-8 UNC	2.13	3.46	0.71	2.80	1.10	0.71	5.71	2.28	3.54	1.89	1"	3.75
Z102330	2.09	Z1023300L	11.61	DLP- 1 1/4"-7 UNC	3.23	3.70	1.02	4.09	1.54	1.06	7.17	3.46	4.80	2.95	1 1/4"	12.13
Z102336	2.09	Z1023360L	11.61	DLP-1 1/2"-6 UNC	3.23	3.70	1.02	4.09	1.54	1.06	7.17	3.46	4.80	2.95	1 1/2"	12.57
Z102342	2.87	Z1023420L	11.54	DLP-1 3/4"-5 UNC	3.94	4.06	1.42	5.35	2.13	1.34	8.50	4.45	6.14	4.33	1 3/4"	25.79
Z102348	2.87	Z1023480L	11.54	DLP-2"- 4.5 UNC	3.94	4.06	1.42	5.35	2.13	1.34	8.50	4.45	6.14	4.33	2"	26.68

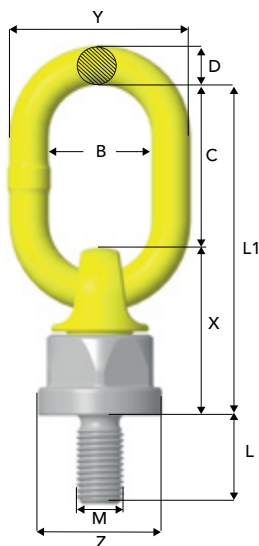
** Perno largo suministrado con tuerca y arandela. *** El peso es calculado con Perno largo Estándar. Perno, tuerca y arandela, cumple con: ISO 898-1 Class 10.9

Cargas Límites de Trabajo* - DLP

Carga simétrica (lb)										
No. de ramales	1	2	2 Simétrica	3 & 4 Simétrica	45°	30°	45°	30°	Torque de ajuste	Tamaño de llave
Ángulo B	0°-90°	0°-90°	45°	30°	45°	30°	45°	30°		
DLP-M8	771	1543	1102	771	1543	1102	10 Nm	13 mm		
DLP-5/16"-18 UNC	771	1543	1102	771	1543	1102	7Ft.lb	1/2"		
DLP -M10	1433	2865	1984	1433	3086	2204	15 Nm	13 mm		
DLP-3/8"-16 UNC	1322	2645	1763	1322	2865	2204	11Ft.lb	1/2"		
DLP -M12	2204	4408	3086	2204	4628	3306	27 Nm	24 mm		
DLP-1/2"-13 UNC	2204	4408	3086	2204	4628	3306	20Ft.lb	15/16"		
DLP-M16	3967	7934	5510	3967	8155	5951	60 Nm	24 mm		
DLP-5/8"-11 UNC	3526	7053	4849	3526	7273	5290	44Ft.lb	15/16"		
DLP - M20x2.5	5730	11461	7714	5730	11902	8596	90 Nm	32 mm		
DLP 3/4"-10 UNC	4849	9698	6612	4849	10138	7273	66Ft.lb	1 5/16"		
DLP 7/8"-9 UNC	5730	11461	7934	5730	11902	8596	66Ft.lb	1 5/16"		
DLP - M24x3	9036	18073	12563	9036	18954	13444	135 Nm	32 mm		
DLP 1"-8 UNC	9036	18073	12563	9036	18954	13444	100Ft.lb	1 5/16"		
DLP - M30x3.5 (Preliminary)	11020	22040	15428	11020	23142	16530	270 Nm	55 mm		
DLP 1 1/4"-7 UNC (Preliminary)	11020	22040	15428	11020	23142	16530	200Ft.lb	2 1/4"		
DLP - M36x4 (Preliminary)	15428	30856	21599	15428	32399	23142	320 Nm	55 mm		
DLP 1 1/2"-6 UNC (Preliminary)	15428	30856	21599	15428	32399	23142	236Ft.lb	2 1/4"		
DLP - M42x4.5 (Preliminary)	33060	66120	46284	33060	69426	49590	600 Nm	75 mm		
DLP 1 3/4"-5 UNC (Preliminary)	33060	66120	46284	33060	69426	49590	440Ft.lb	3"		
DLP - M48x5 (Preliminary)	44080	88160	61712	44080	92568	66120	800 Nm	75 mm		
DLP 2"-4.5 UNC (Preliminary)	44080	88160	61712	44080	92568	66120	590Ft.lb	3"		



- El DLP solamente se puede carga de 0° a 110°
- Rotar el cáncamo alrededor de su eje de 0°-15° no es permitido.



Puntos de Izaje BLP con Cojinetes



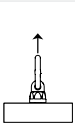
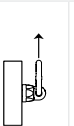
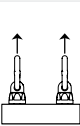
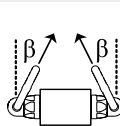
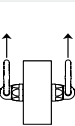
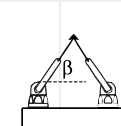
No. de Parte	Código	B	C	D	L	L1	M	X	Y	Z	Peso de c/u (lbs)
Z102008	BLP-M8 x 1.25	1.38	2.17	0.51	0.63	4.41	0.31	2.24	2.44	Ø1.65	1.32
Z102010	BLP-M10 x 1.5	1.38	2.17	0.51	0.79	4.41	0.39	2.24	2.40	Ø1.65	1.32
Z102012	BLP-M12 x 1.75	1.38	2.17	0.51	0.94	4.41	0.47	2.24	2.40	Ø1.65	1.32
Z102016	BLP-M16 x 2	1.38	2.17	0.51	1.18	4.41	0.63	2.24	2.40	Ø1.65	1.32
Z102020	BLP-M20 x 2.5	1.34	2.24	0.67	1.18	5.20	0.79	2.95	2.64	Ø2.32	2.87
Z102024	BLP-M24 x 3	1.97	2.76	0.67	1.42	5.71	0.94	2.95	3.31	Ø2.32	3.31
Z102030	BLP-M30 x 3.5	2.13	3.78	0.87	1.77	4.02	1.18	4.17	3.90	Ø2.91	7.50
Z102036	BLP-M36 x 4	2.13	3.78	0.87	2.13	4.02	1.42	4.17	3.90	Ø2.91	7.72
Z102042	BLP-M42 x 4.5	2.76	4.72	1.10	2.48	9.53	1.65	4.80	5.00	Ø3.66	14.33
Z102048	BLP-M48 x 5	2.76	4.72	1.10	2.83	9.53	1.89	4.80	5.00	Ø3.66	14.99

BLP con Rosca UNC

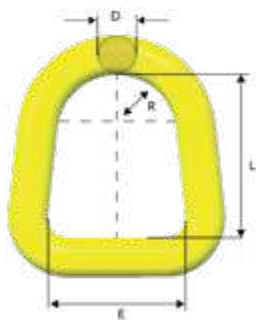


No. de Parte	Código	B	C	D	L	L1	X	Y	Z	M	Peso (lbs)
Z102108	BLP-5/16"-18 UNC	1.38	2.17	0.51	0.63	4.41	2.24	2.40	Ø1.65	5/16"	1.32
Z102110	BLP-3/8"-16 UNC	1.38	2.17	0.51	0.79	4.41	2.24	2.40	Ø1.65	3/8"	1.32
Z102112	BLP-1/2"-13 UNC	1.38	2.17	0.51	0.94	4.41	2.24	2.40	Ø1.65	1/2"	1.32
Z102116	BLP-5/8"-11 UNC	1.38	2.17	0.51	1.18	4.41	2.24	2.40	Ø1.65	5/8"	1.32
Z102120	BLP-3/4"-10 UNC	1.34	2.24	0.67	1.18	5.20	2.95	2.64	Ø2.32	3/4"	2.87
Z102121	BLP-7/8"-9 UNC	1.34	2.24	0.67	1.18	5.20	2.95	2.64	Ø2.32	7/8"	2.87
Z102124	BLP-1"-8 UNC	1.97	2.76	0.67	1.50	5.71	2.95	3.31	Ø2.32	1"	3.31
Z102130	BLP-1 1/4"-7 UNC	2.13	3.78	0.87	1.89	7.95	4.17	3.90	Ø2.91	1 1/4"	7.50
Z102136	BLP-1 1/2"-6 UNC	2.13	3.78	0.87	2.24	7.95	4.17	3.90	Ø2.91	1 1/2"	7.94
Z102142	BLP-1 3/4"-5 UNC	2.76	4.72	1.10	2.64	9.53	4.80	5.00	Ø3.66	1 3/4"	14.55
Z102148	BLP-2"-4.5 UNC	2.76	4.72	1.10	2.99	9.53	4.80	5.00	Ø3.66	2"	15.43

Cargas Límites de Trabajo* - BLP

Carga simétrica (lb)													
No. de ramales	1	1	2	2	2	2 Simétrica		3 & 4 Simétrica					
Angle β	0°*	90°	0°	0 - 45°	90°	0 - 45°	45° - 60°	0 - 45°	45° - 60°	Torque de ajuste	Tamaño de llave		
BLP -M8x1.25	1322	661	2645	1322	882	661	882	882	992	10 Nm	36 mm		
BLP 5/16"-18 UNC	1322	661	2645	1322	882	661	882	882	992	7Ft.Lb	1 1/2" UNC		
BLP -M10x1.5	2204	1102	4408	2204	1543	1102	1543	1543	1653	15 Nm	36 mm		
BLP 3/8"-16 UNC	1763	882	3526	1763	1102	882	1102	1102	1322	11Ft.Lb	1 1/2" UNC		
BLP -M12x1.75	3306	1653	6612	3306	2425	1653	2424	2424	2424	27 Nm	36 mm		
BLP 1/2"-13 UNC	3306	1653	6612	3306	2425	1653	2424	2424	2424	20Ft.Lb	1 1/2" UNC		
BLP -M16x2	6612	3306	13224	6612	4630	3306	4628	4628	4849	60 Nm	36 mm		
BLP 5/8"-11 UNC	6612	3306	13224	6612	4630	3306	4628	4628	4849	44Ft.Lb	1 1/2" UNC		
BLP -M20x2.5	11020	5510	22040	11020	7716	5510	7714	7714	8155	90 Nm	50 mm		
BLP 3/4"-10 UNC	9918	4959	19836	9918	6834	4959	6832	6832	7273	66Ft.Lb	2" UNC		
BLP 7/8"-9 UNC	13224	6612	26448	13224	9259	6612	9257	9257	9918	66Ft.Lb	2" UNC		
BLP-M24x3	15428	8816	30856	17632	12346	8816	12342	12342	13224	135 Nm	50 mm		
BLP-1"-8 UNC	15428	8816	30856	17632	12346	8816	12342	12342	13224	100Ft.Lb	2" UNC		
BLP-M30x3.5	26448	13224	52896	26448	18519	13224	18514	18514	19836	270 Nm	65 mm		
BLP-1 1/4"-7 UNC	26448	13224	52896	26448	18519	13224	18514	18514	19836	200Ft.Lb	2 5/8" UNC		
BLP-M36x4	30856	17632	61712	35264	24692	17632	24685	24685	26448	320 Nm	65 mm		
BLP-1 1/2"-6 UNC	30856	17632	61712	35264	24692	17632	24685	24685	26448	236Ft.Lb	2 5/8" UNC		
BLP-M42x4.5	35264	22040	70528	44080	30864	22040	30856	30856	33060	600 Nm	85 mm		
BLP-1 3/4"-5 UNC	35264	22040	70528	44080	30864	22040	30856	30856	33060	440Ft.Lb	3 1/8" UNC		
BLP-M48x5	39672	28652	79344	57304	40124	28652	40113	40113	42978	800 Nm	85 mm		
BLP-2"-4.5 UNC	39672	28652	79344	57304	40124	28652	40113	40113	42978	590Ft.Lb	3 1/8" UNC		

*tomando en cuenta que solo se carga en su eje, ej no se ejercen fuerzas en la dirección de la cuerda.

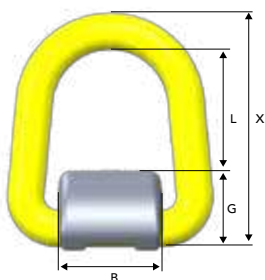


Eslabones Maestros D



No. de Parte	Código	WLL (lb)*	E	D	L	R	Peso de c/u (lbs)
Z7008771	D-14-10	5510	2.17	0.55	2.56	0.94	0.88
Z7008781	D-17-10	8800	2.52	0.67	2.44	1.14	1.10
Z7008801	D-22-10	15428	2.99	0.87	3.54	1.30	2.20
Z7008791	D-27-10	22040	3.35	1.06	3.86	1.50	4.19
Z7008792	D-32-10	35300	4.49	1.26	5.47	1.97	7.72

El ancho que soporta carga debe ser al menos de 0.5 x E.

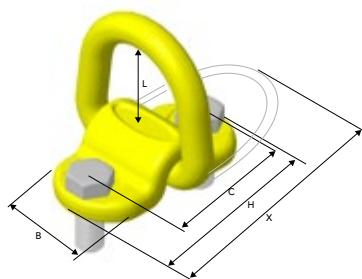


Punto de Izaje Soldable WLP



No. de Parte	Código	WLL (lb)*	B	G	L	X	Peso de c/u (lbs)
Z7009001	WLP-2.5T	5510	1.97	1.06	2.09	3.74	1.10
Z7009011	WLP-4T	8800	2.28	1.34	1.89	3.82	1.76
Z7009021	WLP-7T	15428	2.52	1.61	2.87	5.31	3.97
Z7009031	WLP-10T	22040	2.56	2.05	2.87	5.98	7.50
Z7009041	WLP-16T	35300	3.54	2.60	4.13	7.99	14.77

Suministrado con resorte para mantenerlo erguido. Medidas del Master Link, Véase más arriba, Eslabón Maestro D. Límites de Carga de Trabajo en pág. 3:13.



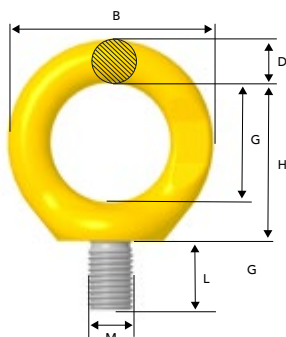
Punto de Izaje atornillable SLP



No. de Parte	Código	WLL (lb)*	B	C	H	L	M (Rosca métrico)	X	Saliente del perno	Peso de c/u (lbs)
Z7009881	SLP-1T	2204	1.97	2.83	3.86	2.13	M14	5.47	25	1.76
Z7009871	SLP-3T	6612	2.28	3.31	4.49	1.93	M16	5.67	28	2.87
Z7009861	SLP-5T	11020	2.52	4.57	6.30	2.80	M20	7.99	34	5.73

Suministrado con perno y resorte para quedar en posición erguida.
Perno de acuerdo con: ISO 898-1 Class 10.9.
Medida de Master Link, ver Eslabón Maestro D arriba.

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Punto de Izaje ELP con Ojo



No. de Parte	Código	WLL		B	D	G	H	L	M	Peso de c/u (lbs)
		toneladas métricas*	(lb)							
Z100434	ELP-16-8	1.0**	2204	2.83	0.63	1.65	2.17	0.94	M16	0.88
Z100435	ELP-20-8	1.5**	3306	2.83	0.63	1.65	2.28	1.18	M20	0.88
Z100436	ELP-24-8	2.0**	4500	3.46	0.75	1.89	2.72	1.42	M24	1.98
Z100437	ELP-30-8	3.0**	6612	4.17	0.87	2.36	3.31	1.77	M30	3.09

** En el caso de aplicaciones con 1- ramal la carga se limita a carga en línea en la dirección de la rosca (sin fuerza de doblaje) es posible utilizar ELP con Carga Límite de Trabajo (WLL) cuatro veces mayor). Nota! Profundidad de rosca tiene que ser un mínimo de 1xM para acero, 1,25xM para hierro fundido y 2xM para Aleaciones de aluminio .

Repuestos

Pernos estándar y largos para el RLP y el DLP están disponibles.

Perno Métrico Estándar RDRLP

Perno de longitud estándar que incluye un anillo de seguridad.

No. de Parte	Código
Z1017081	RDRLP-M8x1,25
Z1017101	RDRLP-M10x1,5
Z1017121	RDRLP-M12x1,75
Z1017161	RDRLP-M16x2
Z1017201	RDRLP-M20x2,5
Z1017241	RDRLP-M24x3
Z1017301	RDRLP-M30x3,5
Z1017361	RDRLP-M36x4
Z1017421	RDRLP-M42x4,5
Z1017481	RDRLP-M48x5



RDRLP Perno Métrico largo

Perno largo incluye tuerca, anillo de seguridad y arandela.

No. de Parte	Código
Z10170801L	RDRLP-M8 LB
Z10171001L	RDRLP-M10 LB
Z10171201L	RDRLP-M12 LB
Z10171601L	RDRLP-M16 LB
Z10172001L	RDRLP-M20 LB
Z10172401L	RDRLP-M24 LB
Z10173001L	RDRLP-M30 LB
Z10173601L	RDRLP-M36 LB
Z10174201L	RDRLP-M42 LB
Z10174801L	RDRLP-M48 LB

RDRLP UNC Perno Estándar

Perno de longitud estándar incluido anillo de seguridad.

No. de Parte	Código
Z1018081	RDRLP-UNC 5/16"-18
Z1018101	RDRLP-UNC 3/8"-16
Z1018121	RDRLP-UNC 1/2"-13
Z1018161	RDRLP-UNC 5/8"-11
Z1018201	RDRLP-UNC 3/4"-10
Z1018211	RDRLP-UNC 7/8"-9
Z1018241	RDRLP-UNC 1"-8
Z1018301	RDRLP-UNC 1 1/4"
Z1018361	RDRLP-UNC 1 1/2"
Z1018421	RDRLP-UNC 1 3/4"
Z1018481	RDRLP-UNC 2"



RDRLP Perno largo UNC

Perno largo incluye tuerca, anillo de seguridad y arandela.

No. de Parte	Código
Z10180801L	RDRLP-UNC 5/16" LB
Z10181001L	RDRLP-UNC 3/8" LB
Z10181201L	RDRLP-UNC 1/2" LB
Z10181601L	RDRLP-UNC 5/8" LB
Z10182001L	RDRLP-UNC 3/4" LB
Z10182101L	RDRLP-UNC 7/8" LB
Z10182401L	RDRLP-UNC 1" LB
Z10183001L	RDRLP-UNC 1 1/4" LB
Z10183601L	RDRLP-UNC 1 1/2" LB
Z10184201L	RDRLP-UNC 1 3/4" LB
Z10184801L	RDRLP-UNC 2" LB

Perno Métrico Estándar RDDLP

Perno de longitud estándar incluye anillo de seguridad

No. de Parte	Código
Z1022081	RDDLDP-M8x1,25
Z1022101	RDDLDP-M10x1,5
Z1022121	RDDLDP-M12x1,75
Z1022161	RDDLDP-M16x2
Z1022201	RDDLDP-M20x2,5
Z1022241	RDDLDP-M24x3
Z1022301	RDDLDP-M30
Z1022361	RDDLDP-M36
Z1022421	RDDLDP-M42
Z1022481	RDDLDP-M48



Perno Largo Métrico RDDLP

Perno largo incluye tuerca, anillo de seguridad, y arandela

No. de Parte	Código
Z10220801L	RDDLDP M8 LB
Z10221001L	RDDLDP M10 LB
Z10221201L	RDDLDP M12 LB
Z10221601L	RDDLDP M16 LB
Z10222001L	RDDLDP M20 LB
Z10222401L	RDDLDP M24 LB
Z10223001L	RDDLDP M30 LB
Z10223601L	RDDLDP M36 LB
Z10224201L	RDDLDP M42 LB
Z10224801L	RDDLDP M48 LB

RDDL - Perno Estándar UNC

Pernos de longitud estándar incluyendo, Anillo de Seguridad



No. de Parte	Código
Z1023081	RDDL UNC 5/16"
Z1023101	RDDL UNC 3/8"
Z1023121	RDDL UNC 1/2"
Z1023161	RDDL -UNC 5/8"
Z1023201	RDDL -UNC 3/4"
Z1023211	RDDL -UNC 7/8"
Z1023241	RDDL -UNC 1"
Z1023301	RDDL -UNC 1 1/4"
Z1023361	RDDL UNC 1 1/2"
Z1023421	RDDL -UNC 1 3/4"
Z1023481	RDDL -UNC 2"



RDDL - Perno largo UNC

Perno largo incluye tuerca, anillo de seguridad y arandela.

No. de Parte	Código
Z10230801L	RDDL UNC 5/16" LB
Z10231001L	RDDL UNC 3/8" LB
Z10231201L	RDDL UNC 1/2" LB
Z10231601L	RDDL UNC 5/8" LB
Z10232001L	RDDL UNC 3/4" LB
Z10232101L	RDDL UNC 7/8" LB
Z10232401L	RDDL UNC 1" LB
Z10233001L	RDDL UNC 1 1/4" LB
Z10233601L	RDDL UNC 1 1/2" LB
Z10234201L	RDDL UNC 1 3/4" LB
Z10234801L	RDDL UNC 2" LB