

SPRING PLUNGERS

Inch and Metric

Steel and Stainless Steel Bodies

With Steel, Delrin or Stainless Steel Nose

With or Without Nylon Locking Element

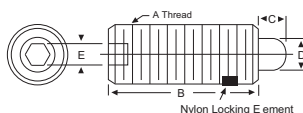
Posi-Hex



Steel



Stainless Steel



Posi-hex plungers allow for easy installation and removal from the back side using a hex wrench. Plunger assembly will not come apart under critical applications because the hex plug is permanently installed and cannot break loose upon installation or removal. Posi-hex is recommended for use in high torque applications. Metric dimensions are in millimeters. Metric end pressures are in Newtons.

Discount **6** applies.

Standard Cat. No.	Locking Element Cat. No.	End Force Lbs./ Newtons		A	B	C	D	E	Price Each 1-11
		Initial	Final						

Steel Bodies

Steel Nose - Heavy End Pressure

Inch

PH-48B	PH-48BN*	1.0	1.6	6-32	1/2	1/16	.044-.045	.050	4.51
PH-48	PH-48N	1.5	4.5	6-32	17/32	1/16	.044-.045	.050	4.51
PH-50	PH-50N*	2.7	7.3	8-32	5/8	3/32	.069-.070	.063	4.34
PH-52	PH-52N*	2.9	11.1	10-32	3/4	1/8	.091-.092	.063	4.34
PH-54B	PH-54BN	2.0	9.0	1/4-20	3/4	1/8	.117-.118	.079	4.22
PH-54	PH-54N	3.0	13.0	1/4-20	1	3/16	.117-.118	.079	4.27
PH-54A	PH-54AN	3.0	13.0	1/4-28	1	3/16	.117-.118	.079	4.27
PH-56	—	3.0	15.0	5/16-18	1	3/16	.133-.135	.093	4.28

Metric

JP-570	—	11.96	41.09	M4x0.7	16	2.5	1.78	2	6.39
JP-571	—	12.85	49.03	M5x0.8	19	3.0	2.36	2.5	6.39
JP-572	—	13.24	57.37	M6x1.0	25	5.0	3.02	3	6.13
JP-573	—	13.24	66.20	M8x1.25	25	5.0	3.43	4	6.39
JP-574	—	24.32	64.04	M10x1.5	29	5.0	4.72	5	6.39
JP-575	—	29.13	76.78	M12x1.75	32	6.0	6.30	6	6.66
JP-577	—	46.39	112.58	M16x2.0	38	8.0	7.87	8	7.94

Steel Nose - Light End Pressure

Inch

PH-49	PH-49N*	0.5	1.5	6-32	17/32	1/16	.044-.045	.050	4.51
PH-51	PH-51N*	0.7	2.3	8-32	5/8	3/32	.069-.070	.063	4.34
PH-53	PH-53N*	1.3	2.7	10-32	3/4	1/8	.091-.092	.063	4.34
PH-55	PH-55N	1.0	4.0	1/4-20	1	3/16	.117-.118	.079	4.27
PH-55A	PH-55AN	1.0	4.0	1/4-28	1	3/16	.117-.118	.079	4.27
PH-57	PH-57N	3.0	15.0	5/16-18	1	3/16	.133-.135	.093	4.28

Metric

JP-670	—	3.14	10.20	M4x0.7	16	2.5	1.78	2	6.39
JP-671	—	5.79	11.96	M5x0.8	19	3.0	2.36	2.5	6.39
JP-672	—	4.41	17.65	M6x1.0	25	5.0	3.02	3	6.13
JP-673	—	6.67	19.91	M8x1.25	25	5.0	3.43	4	6.39
JP-674	—	12.36	31.77	M10x1.5	29	5.0	4.72	5	6.39
JP-675	—	11.96	41.09	M12x1.75	32	6.0	6.30	6	6.66
JP-677	—	15.49	46.39	M16x2.0	38	8.0	7.87	8	7.94

Delrin Nose - Heavy End Pressure

Metric

JP-470	—	11.96	41.09	M4x0.7	16	2.5	1.78	2	6.39
JP-471	—	12.85	49.03	M5x0.8	19	3.0	2.36	2.5	6.39
JP-472	—	13.24	57.37	M6x1.0	25	5.0	3.02	3	6.13
JP-473	—	13.24	66.20	M8x1.25	25	5.0	3.43	4	6.39
JP-478	—	29.91	166.23	M20x2.5	44	8.0	9.50	10	11.06

Delrin Nose - Light End Pressure

Metric

JP-870	—	3.14	10.20	M4x0.7	16	2.5	1.78	2	6.39
JP-871	—	5.79	11.96	M5x0.8	19	3.0	2.36	2.5	6.39
JP-872	—	4.41	17.65	M6x1.0	25	5.0	3.02	3	6.13
JP-873	—	6.67	19.91	M8x1.25	25	5.0	3.43	4	6.39
JP-875	—	11.96	41.09	M12x1.75	32	6.0	6.30	6	6.66

Stainless Steel Bodies

Stainless Steel Nose - Heavy End Pressure

Inch

SSPH-48B	SSPH-48BN*	1.0	1.6	6-32	1/2	1/16	.044-.045	.050	5.51
SSPH-48	SSPH-48N*	1.5	4.5	6-32	17/32	1/16	.044-.045	.050	5.29
SSPH-50	SSPH-50N*	2.7	7.3	8-32	5/8	3/32	.069-.070	.063	5.51
SSPH-52	SSPH-52N*	2.9	11.1	10-32	3/4	1/8	.091-.092	.063	5.51
SSPH-54B	SSPH-54BN	2.0	9.0	1/4-20	3/4	1/8	.117-.118	.079	5.03
SSPH-54	SSPH-54N	3.0	13.0	1/4-20	1	3/16	.117-.118	.079	5.36
SSPH-54A	SSPH-54AN	3.0	13.0	1/4-28	1	3/16	.117-.118	.079	5.36
SSPH-56	SSPH-56N	3.0	15.0	5/16-18	1	3/16	.133-.135	.093	5.36

Stainless Steel Nose - Light End Pressure

Inch

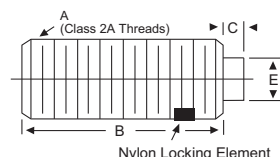
SSPH-49	SSPH-49N*	0.5	1.5	6-32	17/32	1/16	.044-.045	.050	5.51
SSPH-51	SSPH-51N*	0.7	2.3	8-32	5/8	3/32	.069-.070	.063	5.51
SSPH-53	SSPH-53N*	1.3	2.7	10-32	3/4	1/8	.091-.092	.063	5.51
SSPH-55	SSPH-55N	1.0	4.0	1/4-20	1	3/16	.117-.118	.079	5.36
SSPH-55A	SSPH-55AN	1.0	4.0	1/4-28	1	3/16	.117-.118	.079	5.36
SSPH-57	SSPH-57N	1.5	4.5	5/16-18	1	3/16	.133-.135	.093	5.36

*Nylon patch

Note: Plungers with nylon locking elements are not recommended for aluminum applications.

Bold catalog numbers conform to TCMAl standards.

"Hi-Life" Flat Hexagonal Nose Steel Body w/ Steel Nose

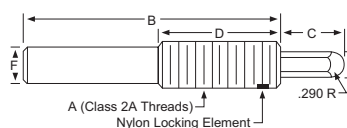


Guaranteed for 10 million cycles. Built to take the tough abuse of high speed, long run stamping operations. Flat hexagonal nose design makes them ideal for use as parts lifters in dies, or other applications requiring exceptionally long life. Special long life springs. Bodies black oxide finish. Nylon locking element. Not recommended in aluminum applications.

Discount **6** applies.

Cat. No.	Thread A	End Force Lbs.		B	C	E Hex	Price Each 1-11
		Initial	Final				
HL-1	1/4-20	1/2	6 1/8	1.343	.078	1/8	10.32
HL-2	5/16-18	1/2	8	1.406	.088	1/8	10.72
HL-3	3/8-16	1/2	9 7/8	1.532	.097	3/16	10.94
HL-4	1/2-13	1/2	16	1.718	.105	1/4	11.07

Long Travel - Hex Nose Steel Body



For use in large sheet metal forming dies. The long plunger stroke lifts the formed sheet clear of the permit access for easy removal. Hexagonal shaped plungers provide for easy insertion, adjustment or removal with a standard wrench. Plungers are case hardened. Bodies and heavy end pressure plunger noses have a black oxide finish. Light end pressure plunger noses have a zinc plated finish. All bodies have a nylon locking element and are not recommended in aluminum applications.

Discount **6** applies.

Cat. No.	End Force Lbs.		A	B	C	D	E	F	Price Each 1-11
	Initial	Final							
Heavy End Pressure									
LTP-00	4	20	5/8-11	3 1/8	1	1 1/4	5/18	.510	30.57
LTP-0	4	35	3/4-10	3 3/4	1	1 1/2	3/8	.623	37.41
LTP-1	16	50 3/4	1-8	5	1	2	1/2	.844	56.41
LTP-2	16	68	1-8	5	1 1/2	2	1/2	.844	56.41
Light End Pressure									
LTP-3	4	22	1-8	5	1	2	1/2	.844	56.41
LTP-4	4	31	1-8	5	1 1/2	2	1/2	.844	56.41