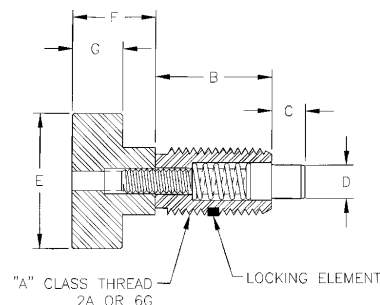


# SPRING LOADED DEVICES



## Knurled Knob Hand Retractable Spring Plungers Steel & Stainless Steel: Non-Locking

- Material:
  - Body: Steel or Stainless Steel
  - Plunger: Steel or Stainless Steel
- Unified ANSI and metric threads
- Hand retractable plunger can be easily engaged and withdrawn
- Chamfered plunger for easy alignment
- Built-in drive wrench for rapid installation and alignment



Steel* Black Part No.	Steel** Yellow Part No.	Stainless Steel Part No.	End Force (lbs)		Thread A	B	C	+.001 -.001 D	E	F	G	Weight (lbs/100pcs)
			Initial	Final								
–	<b>54654</b>	<b>54505</b>	.50	3.0	10-32	.400	.094	.104***	0.38	.250	.190	2
<b>54601</b>	<b>54650</b>	<b>54501</b>	1.00	4.00	1/4-20	.500	.125	.123	0.50	.313	.190	2
<b>54602</b>	<b>54651</b>	<b>54502</b>	1.00	6.00	5/16-18	.625	.188	.154	0.63	.375	.250	4
<b>54603</b>	<b>54652</b>	<b>54503</b>	1.00	8.00	3/8-16	.750	.218	.185	0.75	.500	.310	6
<b>54604</b>	<b>54653</b>	<b>54504</b>	1.00	10.00	1/2-13	.875	.250	.248	1.00	.625	.380	8

\*Black Oxide Finish    \*\*Zinc Plated Yellow Chromate Finish    \*\*\*Radiused Nose

## METRIC

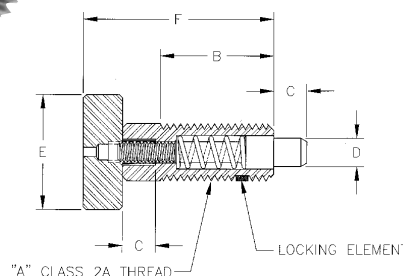
Steel** Part No.	Stainless Steel Part No.	End Force (lbs)		Thread A	B mm (in.)	C mm (in.)	D* mm (in.)	E mm (in.)	F mm (in.)	G mm (in.)
		Initial	Final							
<b>64601</b>	<b>64501</b>	0.5	3.0	M5 x 0.8	10 (.394)	2 (.078)	2.5 (.0984)	9(.355)	6 (.236)	4 (.157)
<b>64602</b>	<b>64502</b>	1.0	4.0	M6 x 1.0	13 (.512)	3 (.118)	3 (.118)	13 (.512)	8 (.315)	5 (.197)
<b>64603</b>	<b>64503</b>	1.0	8.0	M10 x 1.5	19 (.748)	6 (.236)	5 (.1968)	19 (.748)	13 (.512)	8 (.315)
<b>64604</b>	<b>64504</b>	1.0	10.0	M12 x 1.75	23 (.905)	6 (.236)	6 (.236)	25 (.984)	16 (.630)	10 (.315)

\*Tolerance: +.000; -.0254 (+.000; -.001)    \*\*Zinc Plated Yellow Chromate Finish

**NYLON THREAD  
LOCKING ELEMENT IS  
STANDARD ON ALL SIZES**  
To order ball plungers  
without a locking  
element, simply add  
an "X" to the end of  
the part number (ex.  
52821X). Pricing is the  
same with or without  
locking element.

## Knurled Knob Hand Retractable Spring Plungers Steel & Stainless Steel: Locking

- Material:
  - Body: Steel or Stainless Steel
  - Plunger: Steel or Stainless Steel
- Unified ANSI and metric threads
- Hand retractable plunger can be easily engaged and withdrawn
- Chamfered plunger for easy alignment
- Built-in drive wrench for rapid installation and alignment
- Plunger can be completely withdrawn into the body and locked into a retracted position



Steel Part No.*	Stainless Steel Part No.	End Force (lbs)		Thread A	B	C	+.001 -.001 D	E	F	Weight (lbs/100pcs)
		Initial	Final							
<b>54610</b>	<b>54510</b>	.50	2.0	1/4-20	.400	.125	.123	.50	.805	2
<b>54611</b>	<b>54511</b>	.50	3.0	3/8-16	.750	.22	.185	.75	1.26	6
<b>54612</b>	<b>54512</b>	.50	4.0	1/2-13	.650	.25	.248	1.0	1.38	8

\*Zinc Plated Yellow Chromate Finish