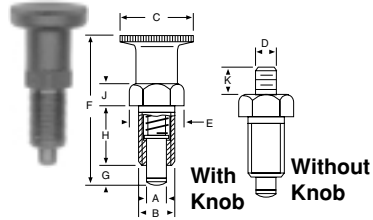


# INDEXING PLUNGERS

These indexing plungers are spring loaded to work in a wide variety of uses in both tooling and equipment. The body is steel with black oxide finish. Plunger is hardened and ground. The knob is black matte plastic. Stainless types have a rest position where the plunger can stay in the retracted position. Lock nuts available separately. Metric dimensions are in millimeters, metric end forces are shown in newtons.

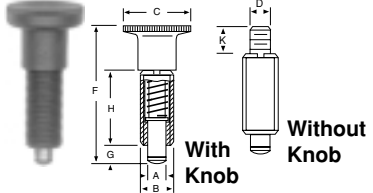
## Non-Locking Type With Shoulder



w/Knob Cat. No.	w/o Knob Cat. No.	End Force		A	B	C	D	E	F	G	H	J	K	Price Each	
		Initial	Final											w/Knob	w/o Knob
<b>Inch Steel</b>															
WIP-10	WIP-25	1.5	3.5	.197	3/8-24	.83	M5	.54	1.73	.20	.67	.20	.24	\$12.22	\$11.44
WIP-15	WIP-30	1.5	3.5	.236	1/2-13	.98	M6	.64	2.09	.24	.79	.24	.39	12.50	12.22
WIP-20	WIP-35	2.7	7.0	.314	5/8-11	1.22	M8	.86	2.64	.31	1.02	.31	.47	15.46	13.58
<b>Metric Steel</b>															
WIP-110	WIP-125	7.0	16.0	5	M10x1	21	M5	13.8	44	5	17	5	6	12.22	11.44
WIP-115	WIP-130	7.0	16.0	6	M12x1.5	25	M6	16.2	53	6	20	6	10	13.04	12.22
WIP-120	—	12.0	31.0	8	M16x1.5	31	M8	21.9	67	8	26	8	12	15.46	—
<b>Metric Stainless Steel</b>															
WIP-210	—	7.0	16.0	5	M10x1	21	—	13.8	44	5	17	5	—	20.04	—
WIP-215	—	7.0	16.0	6	M12x1.5	25	—	16.2	53	6	20	6	—	23.18	—
WIP-220	—	12.0	31.0	8	M16x1.5	31	—	21.9	67	8	26	8	—	29.44	—

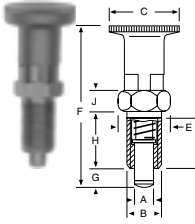
## Non-Locking Type Without Shoulder

Installation tool needed. See below.



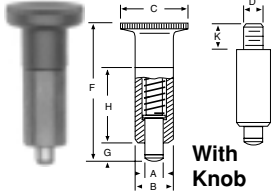
w/Knob Cat. No.	w/o Knob Cat. No.	End Force		A	B	C	D	F	G	H	K	Use Installation Tool	Price Each		
		Initial	Final										w/Knob	w/o Knob	
<b>Metric Steel</b>															
WIP-310	WIP-330	7	16	5	M10x1	21	M5	44	5	22	6	5005	\$10.50	\$9.72	
WIP-315	WIP-335	7	16	6	M12x1.5	25	M6	53	6	26	10	5010	11.26	10.40	
WIP-320	WIP-340	12	31	8	M16x1.5	31	M8	67	8	34	12	5015	13.16	11.16	
WIP-325	—	38	65	10	M20x1.5	31	M8	78	10	43	12	5020	19.72	—	
<b>Metric Stainless Steel</b>															
WIP-410	—	7	16	5	M10x1	21	—	44	5	22	—	5005	17.44	—	
WIP-415	—	7	16	6	M12x1.5	25	—	53	6	26	—	5010	20.20	—	
WIP-420	—	12	31	8	M16x1.5	31	—	67	8	34	—	5015	25.18	—	
WIP-425	—	38	65	10	M20x1.5	31	—	78	10	43	—	5020	36.54	—	

## Locking Type



Cat. No.	End Force		A	B	C	E	F	G	H	J	K	Price Each	
	Initial	Final										1-11	1-11
<b>Inch Steel</b>													
WIP-510	1.5	3.5	.196	3/8-24	.83	.54	1.93	.20	.67	.20	.59	\$14.72	
WIP-515	1.5	3.5	.236	1/2-13	.98	.64	2.32	.24	.79	.24	.67	15.84	
WIP-520	2.7	7.0	.314	5/8-11	1.22	.86	2.89	.28	1.02	.31	.91	18.98	
<b>Metric Steel</b>													
WIP-610	7.0	16.0	5	M10x1	21	13.8	49	5	17	5	15	14.72	
WIP-615	7.0	16.0	6	M12x1.5	25	16.2	59	6	20	6	17	15.84	
WIP-620	12.0	31.0	8	M16x1.5	31	21.9	73.5	7	26	8	23	18.98	
<b>Metric Stainless Steel</b>													
WIP-710	7.0	16.0	5	M10x1	21	13.8	49	5	17	5	15	22.62	
WIP-715	7.0	16.0	6	M12x1.5	25	16.2	59	6	20	6	17	26.64	
WIP-720	12.0	31.0	8	M16x1.5	31	21.9	73.5	7	26	8	23	34.06	

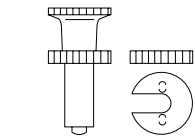
## Non-Locking Type w/o Threads



For use where application calls for plunger to be welded or bonded.

w/Knob Cat. No.	w/o Knob Cat. No.	End Force		A	B	C	D	F	G	H	K	Price Each	
		Initial	Final									w/Knob	w/o Knob
<b>Metric Steel</b>													
WIP-810	—	7	16	5	12	21	M5	44	5	22	6	\$11.16	\$—
WIP-815	—	7	16	6	14	25	M6	53	6	26	10	11.96	—
WIP-820	WIP-835	12	31	8	18	31	M8	67	8	34	12	14.26	12.26

## Installation Tool



For use with the above indexing plungers without shoulders. Two slots are provided in the upper end of the body which are accessible with the knob in the retracted position.

Cat. No.	Description	Price Each	Cat. No.	Description	Price Each
WIP-5005	For 5mm Plungers	\$11.65	WIP-5015	For 8mm Plungers	\$11.65
WIP-5010	For 6mm Plungers	11.65	WIP-5020	For 10mm Plungers	11.65

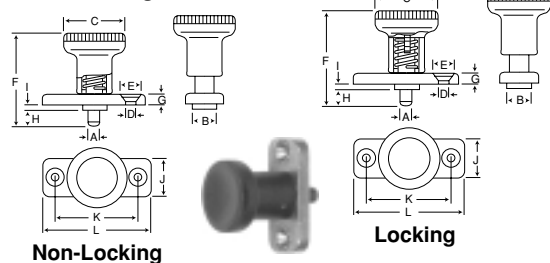
## Lock Nuts



For use with the above indexing plungers. Steel have black oxide finish. Stainless are type 303.

Steel Cat. No.	Thread	Price Each 1-11	Steel Cat. No.	Stainless Cat. No.	Thread	Price Each	
						Steel	Stainless
<b>Inch</b>							
WIP-6050	3/8-24	\$.46	WIP-6005	WIP-6025	M10 x 1	\$.54	\$2.34
WIP-6055	1/2-13	.54	WIP-6010	WIP-6030	M12 x 1.5	.74	2.74
WIP-6060	5/8-11	.68	WIP-6015	WIP-6035	M16 x 1.5	1.50	3.62
			WIP-6020	WIP-6040	M20 x 1.5	2.58	7.76

## With Mounting Plate



These indexing plungers are spring loaded to work in a variety of applications in both tooling and equipment, which require surface mounting. The body is steel with black oxide finish. Plunger is hardened and ground. The knob is black matte plastic. Mounting plate is zinc plated steel. Locking types have a rest position where the plunger can stay in the retracted position. Metric dimensions are in millimeters, metric end forces are shown in newtons.

Cat. No.	End Force		A	B	C	D	E	F	G	H	I	J	K	L	Price Each 1-11
	Initial	Final													
<b>Non-Locking Type</b>															
WIP-1000	10	22	6	10	25	4.3	8.3	37	4.5	6	2.5	18	30	40	\$11.72
WIP-1005	14	25	8	12	31	5.3	10.4	44	5.5	8	2.5	20	34	46	13.50
<b>Locking Type</b>															
WIP-1010	10	22	6	10	25	4.3	8.3	37	4.5	6	2.5	18	30	40	13.18
WIP-1015	14	25	8	12	31	5.3	10.4	44	5.5	8	2.5	20	34	46	15.68