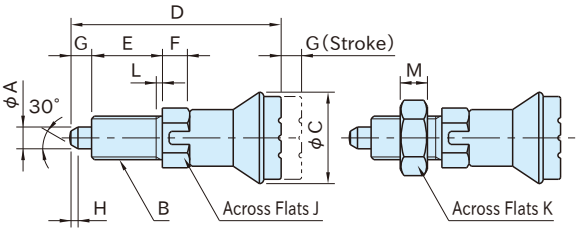
NDX-L INDEXING PLUNGERS,Nose-Lock

RoHS SUS

NDX-L
(Steel, Single-Nut)



NDX-L NDX-L-SUS
(Single-Nut)

NDX-LW NDX-LW-SUS
(Double-Nut)

NDX-LW-SUS
(Stainless Steel, Double-Nut)

Type	Body	Knob	Spring	Nose
NDX-L NDX-LW	Steel (SUM22L) Black oxide finish	Polyamide plastic Black matte	Stainless steel (SUS302WPA)	Steel (SUM22L) Heat treated to Rc58-62
NDX-L-SUS NDX-LW-SUS	Stainless steel (SUS303)			Stainless steel (SUS420) Heat treated to Rc53-55

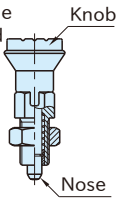
Type / Size		A $(^{-0.02}_{-0.04})$	B	C	D	E	F	G	H	J	K	L	M	Force (N) Initial - Final
	10	5	M10×1	21	47	17	7	5	1.3	13	17	2	5	5–12
NDX-L NDX-L-SUS	**12**	6	M12×1.5	25	56	20	8	6	1.8	14	19		6	6–14
NDX-LW NDX-LW-SUS	**16**	8	M16×1.5	33	74	26	10	8	2.3	19	24	3	8	15–35
	20	10	M20×1.5		80	28	12	10	2.8	22	30		10	15–34

NDX-L NDX-LW NDX-L-SUS NDX-LW-SUS

Steel				Stainless Steel			
Single-Nut		Double-Nut		Single-Nut		Double-Nut	
Part Number	Weight(g)	Part Number	Weight(g)	Part Number	Weight(g)	Part Number	Weight(g)
NDX10L	19	**NDX10LW**	25	**NDX10L-SUS**	19	**NDX10LW-SUS**	25
NDX12L	28	**NDX12LW**	37	**NDX12L-SUS**	28	**NDX12LW-SUS**	37
NDX16L	68	**NDX16LW**	86	**NDX16L-SUS**	68	**NDX16LW-SUS**	86
NDX20L	107	**NDX20LW**	142	**NDX20L-SUS**	107	**NDX20LW-SUS**	142

Features:

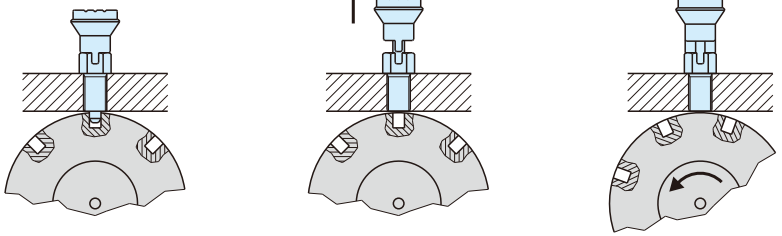
- Pulling the knob allows the nose to retract for repositioning, and releasing the knob allows the nose to return to the original position.
- The nose of nose-lock type can be locked in the retracted position when the knob is turned 90˚with the nose kept retracted.
- Heat resistance : 80˚C



Nose Strength Data

Type / Size		Shearing Force Capacity
NDX-L NDX-L-SUS NDX-LW NDX-LW-SUS	**10**	589N
	12	848N
	16	1507N
	20	2355N

Application Examples



Nose extended

Nose retracted after pull-up of knob

Nose locked in the retracted position after 90˚turn of knob

To suit the plate thickness in your application, use KSR Spacer Rings.

Note:

When installing an Indexing Plunger to full thread engagement, it is recommended that the receiving hole be chamfered to 1×45˚.

Type / Size		Recommended Chamfering
NDX-L NDX-L-SUS NDX-LW NDX-LW-SUS	**10**	2.5×60°
	12	3.5×60°
	16	
	20	

Replacement Nuts for NDX and SDX Plungers

Steel	Stainless Steel	Thread Size
Part Number	Part Number	
NDX10-NUT	**NDX10-NUT-SUS**	M10×1
NDX12-NUT	**NDX12-NUT-SUS**	M12×1.5
NDX16-NUT	**NDX16-NUT-SUS**	M16×1.5
NDX20-NUT	**NDX20-NUT-SUS**	M20×1.5