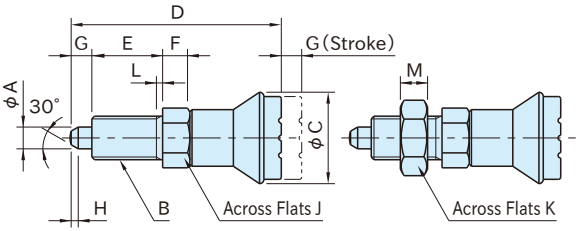
NDX INDEXING PLUNGERS

RoHS SUS

NDX
(Steel, Single-Nut)



NDX NDX-SUS
(Single-Nut)

NDX-W NDX-W-SUS
(Double-Nut)

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

Type	Body	Knob	Spring	Nose
NDX NDX-W	Steel (SUM22L) Black oxide finish	Polyamide plastic Black matte	Stainless steel (SUS301)	Steel (SUM22L) Heat treated to Rc58-62
NDX-SUS NDX-W-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
NDX NDX-SUS NDX-W NDX-W-SUS	10	5	M10×1	21	47	17	7	5	1.3	13	17	2	5	5～12
	12	6	M12×1.5	25	56	20	8	6	1.8	14	19	3	6	6～14
	16	8	M16×1.5	33	74	26	10	8	2.3	19	24		8	15～35
	20	10	M20×1.5		80	28	12	10	2.8	22	30		10	15～40

NDX NDX-W NDX-SUS NDX-W-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)
NDX10	20	**NDX10W**	26	**NDX10-SUS**	20	**NDX10W-SUS**	26
NDX12	30	**NDX12W**	39	**NDX12-SUS**	30	**NDX12W-SUS**	39
NDX16	71	**NDX16W**	89	**NDX16-SUS**	71	**NDX16W-SUS**	89
NDX20	112	**NDX20W**	147	**NDX20-SUS**	112	**NDX20W-SUS**	147

Feature

- Pulling the knob allows the nose to retract for repositioning, and releasing the knob allows the nose to return to the original position.
- Heat resistance : 80˚C

How To Use

- 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 NDX-SUS NDX-W NDX-W-SUS	**10**	2.5×60°
	12	3.5×60°
	16	
	20	

Nose Strength Data

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

Replacement Nuts for NDX and SDX Plungers

Steel Part Number	Stainless Steel Part Number	Thread Size
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