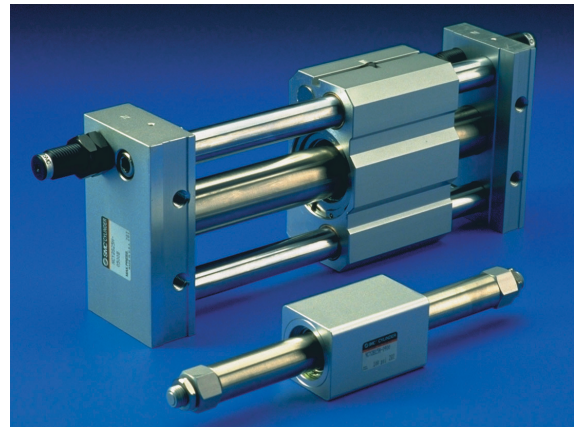


TECHNICAL SPECIFICATIONS

SLIDE BEARING TYPE NCY2S



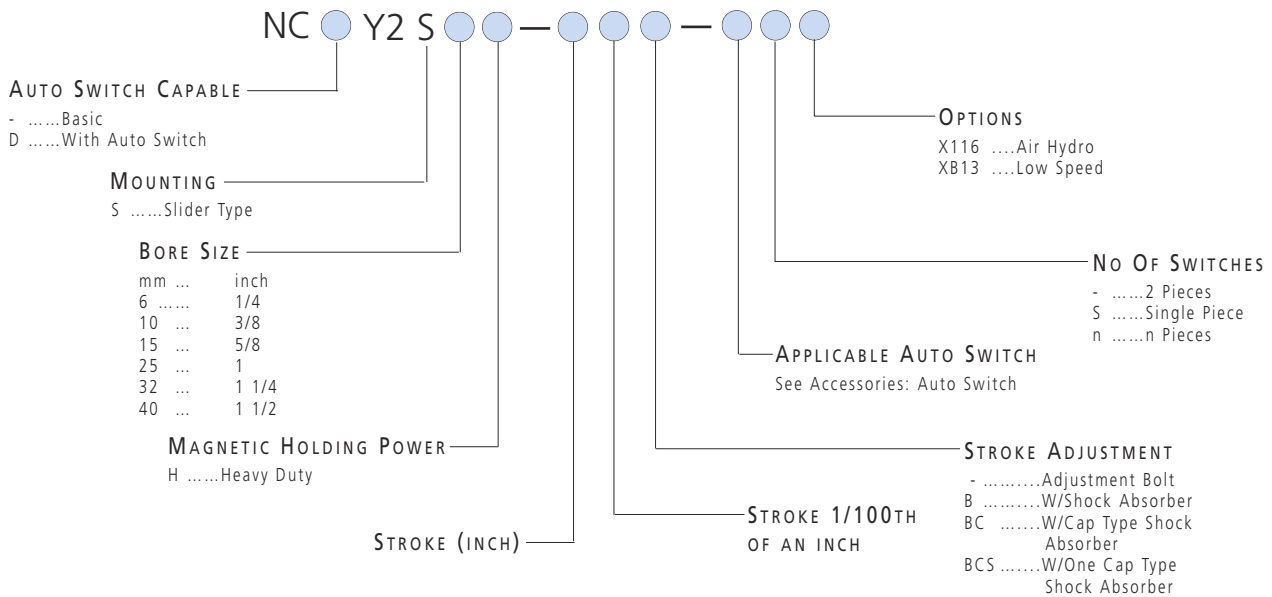
Fluid	Air
Proof Pressure	1.05MPa / 152 PSI
Max Operating Pressure	0.7MPa / 101 PSI
Min Operating Pressure	0.18MPa / 26 PSI
Ambient and Fluid Temp	-10 ~ 60°C / 14 ~ 140°F
Operating Piston Speed	50 ~ 400mm/s / 2 ~ 16 in/sec
Cushion	Urethane Cushion at both ends
Lubrication	Not required
Stroke Tolerance (Inch)	0 ~ 9.9st: $^{+0.394}_0$, 10 ~ 39.4st: $^{+0.55}_0$, 39.5st ~ : $^{+0.07}_0$



Top: NCY2 Slide Bearing Type
Bottom: NCY2 Basic Type

HOW TO ORDER

NCY2S MAGNETICALLY COUPLED RODLESS CYLINDER



RETAINING FORCE(LBF)

1 Kg = 2.2 lbs
1N = 0.101972kgf

Magnetic Holding Power	ø6	ø10	ø15	ø25	ø32	ø40
H Type	4.85	13.33	33.95	89.70	145.50	227.94

Bore Size	Standard Stroke (inch)	Maximum Stroke (inch)
ø6	2, 3, 4, 5, 6, 8, 10	12
ø10	2, 3, 4, 5, 6, 8, 10	20
ø15	5, 10, 15, 20, 25, 30	30
ø25	5, 10, 15, 20, 25, 30, 40	60
ø32	5, 10, 15, 20, 25, 30, 40	60
ø40	5, 10, 15, 20, 25, 30, 40	60

SEE INSIDE FRONT COVER FOR
DETAILS OF YOUR LOCAL SALES OFFICE



FOR FURTHER TECHNICAL
DETAILS ON THIS
PRODUCT, REQUEST
CATALOG REFERENCE
N330

ACCESSORIES
SERIES NCY2
NCY2S RODLESS CYLINDER

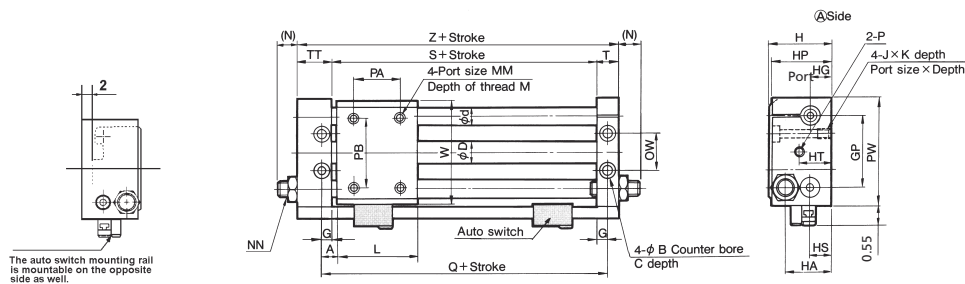
Seal Kits		Shock Absorber	
ø6	CY2S6-PS	ø6	NRB37-025
ø10	CY2S10-PS	ø10	NRB37-025
ø15	CY2S15-PS	ø15	NRB50-030
ø25	CY2S25-PS	ø25	NRB56-045
ø32	CY2S32-PS	ø32	NRB75-045
ø40	CY2S40-PS	ø40	NRB75-045

ACCESSORIES
SERIES NCY2
AUTO SWITCHES

Note: Pre-wired Switches with 3/4 Pin Connectors available, please consult SMC Customer Service

Model	Type	Load Voltage	Max Load Current and Load Current Range (mA)
D-A72, D-A72H	Reed	200VAC	5 ~ 10 mA
D-A73, D-A73H	Reed	24VDC 100VAC	5 ~ 40 mA 5 ~ 20mA
D-A76H	Reed	4 ~ 8 VDC	20mA
D-A80, D-A80H	Reed	24VAC/DC or less 48AC/DC 100VAC/DC	50mA 40mA 20mA
D-A73C	Reed	24VDC	5 ~ 40 mA
D-A-80C	Reed	24VAC/DC or less	50mA
D-F79	3 Wire Solid State NPN	28VDC or less	40mA or less
D-F7P	3 Wire Solid State PNP	-	80mA or less
D-J79	2 Wire Solid State	24VDC (10~28VDC)	5 ~ 40mA
D-F7NV	3 Wire Solid State NPN	28VDC or less	40mA or less
D-F7PV	3 Wire Solid State PNP	-	80mA or less
D-F7BV	2 Wire Solid State	24VDC (10~28VDC)	5 ~ 40mA
D-F7PW	3 Wire Solid State PNP	-	80mA or less
D-J79W	2 Wire Solid State	24VDC (10~28VDC)	5 ~ 40mA
D-F7BAL	2 Wire Solid State	24VDC (10~28VDC)	5 ~ 40mA
D-J79C	2 Wire Solid State	24VDC (10~28VDC)	5 ~ 40mA
D-F7LF	4 Wire Solid State NPN	26VDC or less	40mA or less
D-F79F	4 Wire Solid State NPN	28VDC or less	40mA or less
D-F7NTL	3 Wire Solid State NPN	28VDC or less	80mA or less

DIMENSIONS
NC(D)Y2S 6 • 10

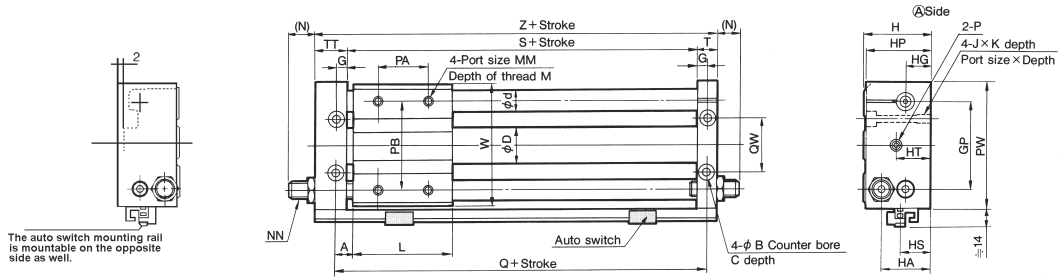


Model	Stroke Range	A	øB	C	øD	ød	G	GP	H	HA	HG	HP	HS	HT	J x K	L	LD	M	MM	(N)	NN
NCY2S6 NCDY2S6	~12 inch	0.26	0.26	0.13	0.30	0.31	0.20	1.26	1.06	0.75	0.31	1.02	0.31	0.67	No8-32UNCx0.26	1.57	.14	0.24	No8-32UNC	0.35	3/8-32UNEF
NCY2S10 NCDY2S10	~20 inch	0.31	0.31	0.17	0.47	0.39	0.26	1.57	1.37	1.00	0.51	1.30	0.55	0.74	No10-32UNFx0.37	1.77	.17	0.24	No8-32UNC	0.37	3/8-32UNEF

Model	P	*PA	PB	PW	Q	QW	S	T	TT	W	Z
NCY2S6 NCDY2S6	No10-32UNF	1.00	1.00	1.97	2.13	0.63	1.73	0.39	0.63	1.81	2.75
NCY2S10 NCDY2S10	No10-32UNF	1.00	1.50	2.36	2.38	0.88	1.86	0.49	0.81	2.28	3.16

DIMENSIONS

NC(D)Y2S 15 • 25 • 32 • 40

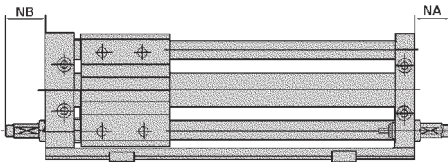


Model	Stroke Range	A	øB	C	øD	ød	G	GP	H	HA	HG	HP	HS	HT	J x K	L	LD	M	MM	(N)	NN
NC(D)Y2S15	~30 inch	0.32	0.38	0.20	0.65	0.47	0.26	2.05	1.63	1.14	0.56	1.54	0.59	0.88	1/4-28UNFx0.37	2.36	.22	0.31	No10-32UNF	0.28	1/2-20UNF
NC(D)Y2S25	~60 inch	0.37	0.44	0.26	1.04	0.63	0.33	2.76	2.13	1.57	0.79	2.09	0.91	0.79	5/16-24UNFx0.39	2.76	.28	0.39	1/4-28UNF	0.46	9/16-18UNF
NC(D)Y2S32	~60 inch	0.45	0.55	0.31	1.32	0.79	0.37	3.39	2.63	1.97	0.97	2.52	1.06	0.97	3/8-24UNFx0.59	3.35	.34	0.47	5/16-24UNF	0.50	3/4-16UNF
NC(D)Y2S40	~60 inch	0.51	0.55	0.31	1.64	0.98	0.41	4.09	3.00	2.05	0.99	2.91	1.18	0.99	3/8-24UNFx0.59	3.74	.34	0.47	5/16-24UNF	0.39	3/4-16UNF

Model	P	*PA	PB	PW	Q	QW	S	T	TT	W	Z
NC(D)Y2S15	No10-32UNF	1.25	2.00	2.95	3.00	1.13	2.48	0.49	0.89	2.83	3.86
NC(D)Y2S25	NPT 1/8	1.50	2.75	3.94	3.50	1.63	2.84	0.65	1.00	3.82	4.57
NC(D)Y2S32	NPT 1/8	1.63	3.00	4.80	4.25	2.00	3.51	0.73	1.12	4.69	5.36
NC(D)Y2S40	NPT 1/4	2.50	4.13	5.71	4.75	2.50	3.93	0.81	1.40	5.59	6.14

DIMENSIONS

NCY2S SLIDE BEARING TYPE WITH SHOCK ABSORBER NRB



Type	Applicable Shock Absorber	NA	NB
NCQY2S6	NRB37-025	30	24
NCQY2S10		27	19
NCQY2S15	NRB50-030	33	23
NCQY2S25	NRB56-045	49	40
NCQY2S32	NRB75-045	48	38
NCQY2S40		47	32

See
"Shock
Absorber"
in
CAT:N371
for details

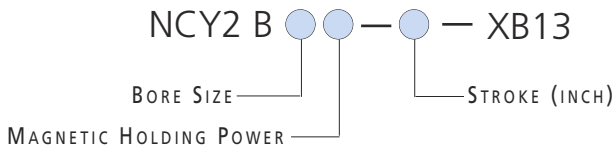
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N330

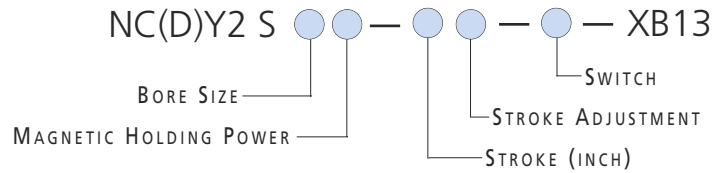
HOW TO ORDER
SERIES NCY2

BASIC TYPE - LOW SPEED RODLESS CYLINDER - OPTION



HOW TO ORDER
SERIES NCY2

SLIDER TYPE - LOW SPEED RODLESS CYLINDER - OPTION



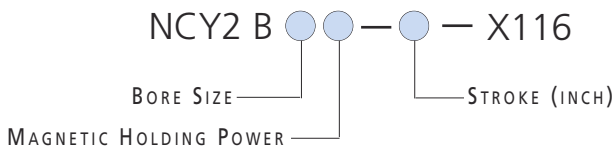
TECHNICAL SPECIFICATIONS

BASIC TYPE - XB13 OPTION SERIES NCY2

Type	Basic Type / Slider Type
Bore Size (mm)	ø6 ~ ø40
Fluid	Air
Piston Speed	7 ~ 50mm/s

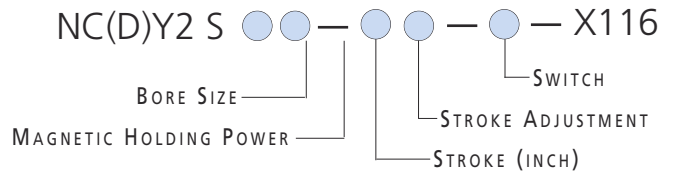
HOW TO ORDER
SERIES NCY2

BASIC TYPE - AIR HYDRO RODLESS CYLINDER - OPTION



HOW TO ORDER
SERIES NCY2

SLIDER TYPE - AIR HYDRO RODLESS CYLINDER - OPTION



TECHNICAL SPECIFICATIONS

BASIC TYPE - X116 OPTION SERIES NCY2

Type	Basic Type / Slider Type
Bore Size (mm)	ø25 ~ ø40
Fluid	Hydraulic Fluid
Piston Speed	15 ~ 300mm/s

Model	HT	P	Restriction Diameter
NCY2S25	20	Rc(PT)1	7.5
NCY2S32	24		
NCY2S40	25	Rc(PT)1/4	10

See Technical Drawing in CAT:330



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