



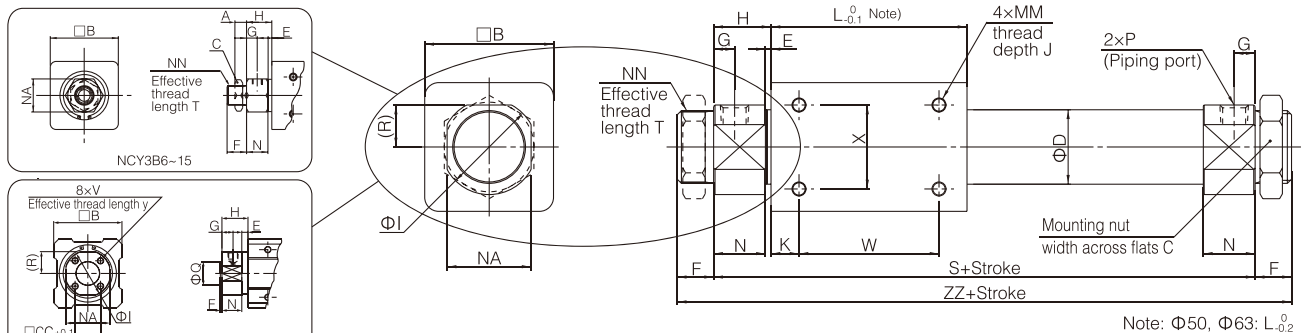
1. The wear-resistant ring increases by 70% compared with NCY1B series, so the bearing capacity of the shaft is improved.
2. Special resin wear ring is used to improve lubrication performance and durability.
3. Use special dust-proof ring, minimum use pressure reduced by 30%.
4. Installation size is the same as NCY1B/R series.

Ordering code

Basic type:		NCY3B	☐	25	☐	300	☐					
Direct mount type:		NCY3R	☐	25	☐	300	☐	- M9B				
								S				
Piping type				Stroke				Magnetic switch type				
Blank	Standard type			Port thread type				Blank	Without magnetic switch			
G	Centralized piping type							Mark	type	Bore size		
* Type G (centralized piping) is not available for Φ6.								Blank	M	6,10,15		
					Rc	20,25,32,40,50,63						
				TN	NPT							
				TF	G							
Bore size				Switch rail				Number of magnetic switches				
6	6mm	32	32mm	Blank	With switch rail			Blank	2 pcs.			
10	10mm	40	40mm	N	Without switch rail			S	1 pc.			
15	15mm	50	50mm					n	"n" pcs.			
20	20mm	63	63mm									
25	25mm											

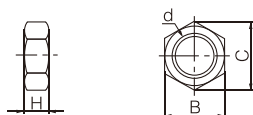
Dimensions

NCY3B Φ6~Φ63



Model	A	B	C	CC	D	E	F	G	H	I	J	K	L	MM	N	NA	NN	Q	R	S	T	V	W	X	Y	ZZ	P (Piping port)		
																											Blank	TN	TF
NCY3B6	4	17	8	-	7.6	4	8	5	13.5	-	4.5	5	35	M3×0.5	9.5	10	M6×1	-	-	62	6.5	-	25	10	-	78	M3×0.5	-	-
NCY3B10	4	25	14	-	12	1.5	9	5	12.5	-	4.5	4	38	M3×0.5	11	14	M10×1	-	-	63	7.5	-	30	16	-	81	M5×0.8	-	-
NCY3B15	4	35	14	-	16.6	2	10	5.5	13	-	6	11	57	M4×0.7	11	17	M10×1	-	-	83	8	-	35	19	-	103	M5×0.8	-	-
NCY3B20	8	36	26	-	21.6	2	13	7.5	20	28	6	8	66	M4×0.7	18	24	M20×1.5	-	12	106	10	-	50	25	-	132	Rc1/8	NPT1/8	G1/8
NCY3B25	8	46	32	-	26.4	2	13	7.5	20.5	34	8	10	70	M5×0.8	18.5	30	M26×1.5	-	15	111	10	-	50	30	-	137	Rc1/8	NPT1/8	G1/8
NCY3B32	8	60	32	-	33.6	2	16	8	22	40	8	15	80	M6×1	20	36	M26×1.5	-	18	124	13	-	50	40	-	156	Rc1/8	NPT1/8	G1/8
NCY3B40	10	70	41	-	41.6	3	16	11	29	50	10	16	92	M6×1	26	46	M32×2	-	23	150	13	-	60	40	-	182	Rc1/4	NPT1/4	G1/4
NCY3B50	-	86	-	32	52.4	8	2	14	33	58	12	25	110	M8×1.25	25	55	-	30 ^{-0.007} _{-0.037}	27.5	176	-	M8×1.25	60	60	16	180	Rc1/4	NPT1/4	G1/4
NCY3B63	-	100	-	38	65.4	8	2	14	33	72	12	26	122	M8×1.25	25	69	-	32 ^{-0.007} _{-0.043}	34.5	188	-	M10×1.5	70	70	16	192	Rc1/4	NPT1/4	G1/4

Mounting nut Included in the package (2 pcs).

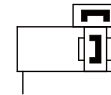


Part No.	Applicable bore size (mm)	d	H	B	C
SNJ-006B	6	M6×1.0	4	8	9.2
SNJ-016B	10, 15	M10×1.0	4	14	16.2
SN-020B	20	M20×1.5	8	26	30
SN-032B	25, 32	M26×1.5	8	32	37
SN-040B	40	M32×2.0	10	41	47.3

Specifications

Bore size(mm)	6	10	15	20	25	32	40	50	63
Fluid	Air (to be filtered by 40μm filter element)								
Action	Double acting								
Maximum operating pressure	0.7MPa								
Minimum operating pressure (MPa)	0.16				0.15	0.14	0.12		
Ambient and fluid temperature	-10~60℃ (No freezing)								
Cushion	Rubber bumper								
Lubrication	Not required (Non-lube)								
Piston speed (mm/s)	50~500								
Stroke length tolerance (mm)	0~250 ^{+1.0} ₀ , 251~1000 ^{+1.4} ₀ , 1001~ ^{+1.8} ₀								
Magnet holding force (N)	19.6	53.9	137	231	363	588	922	1471	2256
Port size	M5×0.8				1/8"		1/4"		

Symbol



Stroke/magnetic switch model table

Bore size (mm)	Standard stroke	Max. stroke		Magnetic switch model
		Without switch	With switch	
6	50, 100, 150, 200	300	300	M9N M9B M9P
10	50, 100, 150, 200, 250, 300	500	500	
15	50, 100, 150, 200, 250, 300, 350, 400, 450, 500	1000	7500	
20	50, 100, 150, 200, 250, 300, 350, 400, 450, 500, 600, 700, 800	1500	1000	
25		1500	1200	
32	50, 100, 150, 200, 250, 300, 350, 400, 450, 500, 600, 700, 800	2000	1500	
40		2000	1500	
50		2000	1500	
63		2000	1500	

Note: The specifications and characteristics of magnetic switches can be referred to the series of magnetic switches.
Wire length representation mark: no mark-0.5m, L-3m, Z-5m.

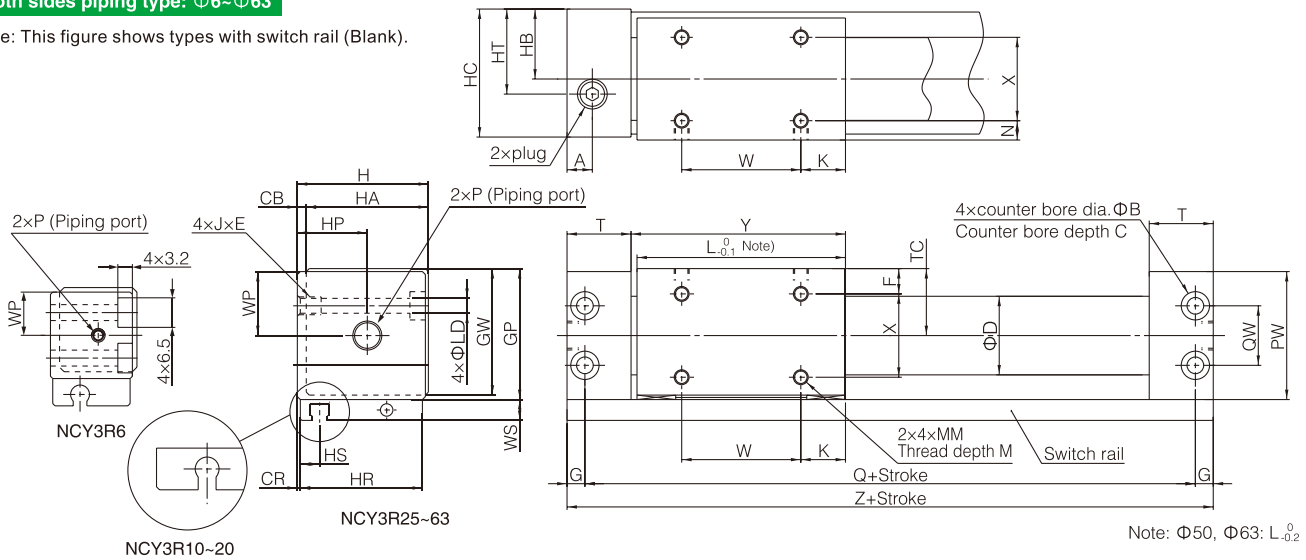
Cylinder

SC
SC(Big)
SCT
SCF
SU
SUF
SI
SIF
DNC
QGB
QGBZ
NCQ2
NCQ2(Big)
NCQ2(Long)
NCQS
NCQM
NRQ
SDA
ADVU
ACE(AND)
MAL
MA
MI
NCM2
NCJ2
NCG1
NCJP
TD
TN(TDA)
NCXS
NCXSW
NMGP
NMGG
NCU
NCUJ
NCY3B
NCY3R
NCY1S
NCY1L
STM
NMXH
NMXS
NMXQ
NMHZ2
NMHC2
NMHL2
NMHY2
NMHT2
NMHW2
NMHF2
NMHS2
NMHS3
NMHS4
NMRHQ
NMSQ
NCRA1
NCRQ2
NCRB2
ACK
SRC
QCK
NCK1

Cylinder

Both sides piping type: $\Phi 6 \sim \Phi 63$

Note: This figure shows types with switch rail (Blank).

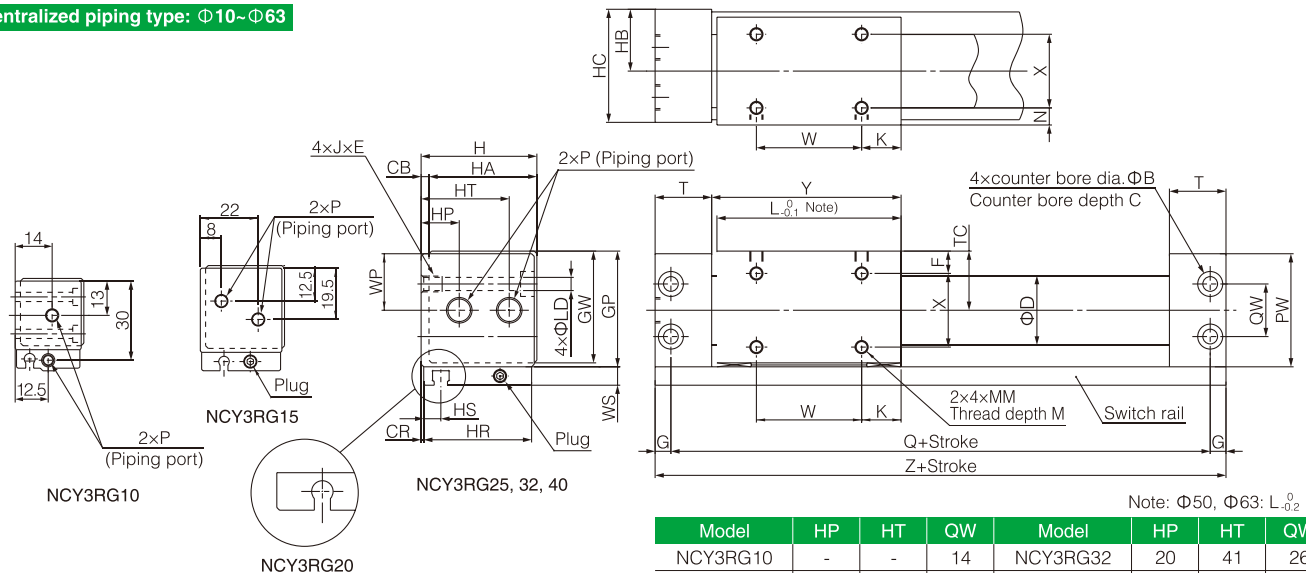


Note: $\Phi 50, \Phi 63: L_{-0.2}^0$

Model	A	B	C	CB	CR	D	F	G	GP	GW	H	HA	HB	HC	HP	HR	HS	HT	JxE	K
NCY3R6	7	-	-	2	0.5	7.6	5.5	3	20	18.5	19	17	10.5	18	10.5	17	6	10.5	M4×0.7×6	7
NCY3R10	9	6.5	3.2	2	0.5	12	6.5	4	27	25.5	26	24	14	25	14	24	5	14	M4×0.7×6	9
NCY3R15	10.5	8	4.2	2	0.5	16.6	8	5	33	31.5	32	30	17	31	17	30	8.5	17	M5×0.8×7	14
NCY3R20	9	9.5	5.2	3	1	21.6	9	6	39	37.5	39	36	21	38	24	36	7.5	24	M6×1×8	11
NCY3R25	8.5	9.5	5.2	3	1	26.4	8.5	6	44	42.5	44	41	23.5	43	23.5	41	6.5	23.5	M6×1×8	15
NCY3R32	10.5	11	6.5	3	1.5	33.6	10.5	7	55	53.5	55	52	29	54	29	51	7	29	M8×1.25×10	13
NCY3R40	10	11	6.5	5	2	41.6	13	7	65	63.5	67	62	36	66	36	62	8	36	M8×1.25×10	15
NCY3R50	14	14	8.2	5	2	52.4	17	8.5	83	81.5	85	80	45	84	45	80	9	45	M10×1.5×15	25
NCY3R63	15	14	8.2	5	3	65.4	18	8.5	95	93.5	97	92	51	96	51	90	9.5	51	M10×1.5×15	24

Model	L	LD	M	MM	N	PW	Q	QW	T	TC	W	WP	WS	X	Y	Z	P (Piping port)		
																	Blank	TN	TF
NCY3R6	34	3.5	3.5	M3×0.5	3.5	19	60	10	14.5	10.5	20	9.5	6	10	35.5	66	M3×0.5	-	-
NCY3R10	38	3.5	4	M3×0.5	4.5	26	68	14	17.5	14	20	13	8	15	39.5	76	M5×0.8	-	-
NCY3R15	53	4.3	5	M4×0.7	6	32	84	18	19	17	25	16	7	18	54.5	94	M5×0.8	-	-
NCY3R20	62	5.4	5	M4×0.7	7	38	95	17	20.5	20	40	19	7	22	64	107	Rc1/8	NPT1/8	G1/8
NCY3R25	70	5.4	6	M5×0.8	6.5	43	105	20	21.5	22.5	40	21.5	7	28	72	117	Rc1/8	NPT1/8	G1/8
NCY3R32	76	7	7	M6×1	8.5	54	116	26	24	28	50	27	7	35	79	130	Rc1/8	NPT1/8	G1/8
NCY3R40	90	7	8	M6×1	11	64	134	34	26	33	60	32	7	40	93	148	Rc1/4	NPT1/4	G1/4
NCY3R50	110	8.6	10	M8×1.25	15	82	159	48	30	42	60	41	10	50	113	176	Rc1/4	NPT1/4	G1/4
NCY3R63	118	8.6	10	M8×1.25	16	94	171	60	32	48	70	47	10	60	121	188	Rc1/4	NPT1/4	G1/4

Centralized piping type: $\Phi 10 \sim \Phi 63$



Note: $\Phi 50, \Phi 63: L_{-0.2}^0$

Model	HP	HT	QW	Model	HP	HT	QW
NCY3RG10	-	-	14	NCY3RG32	20	41	26
NCY3RG15	-	-	18	NCY3RG40	25	50	34
NCY3RG20	11	28	17	NCY3RG50	32	56	48
NCY3RG25	14.5	33.5	20	NCY3RG63	35	63.5	60