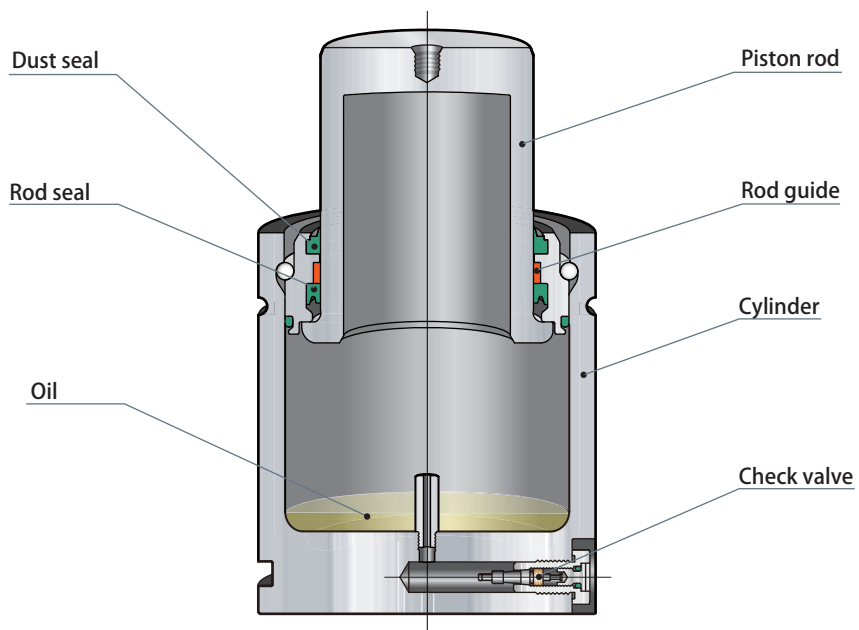
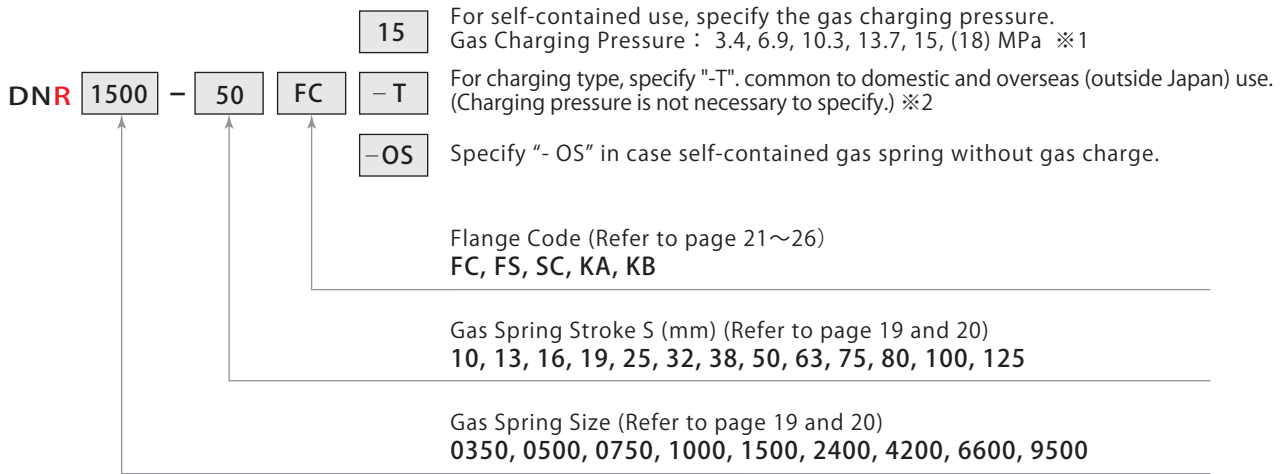


model **DNR**



## Gas spring and Mounting flange

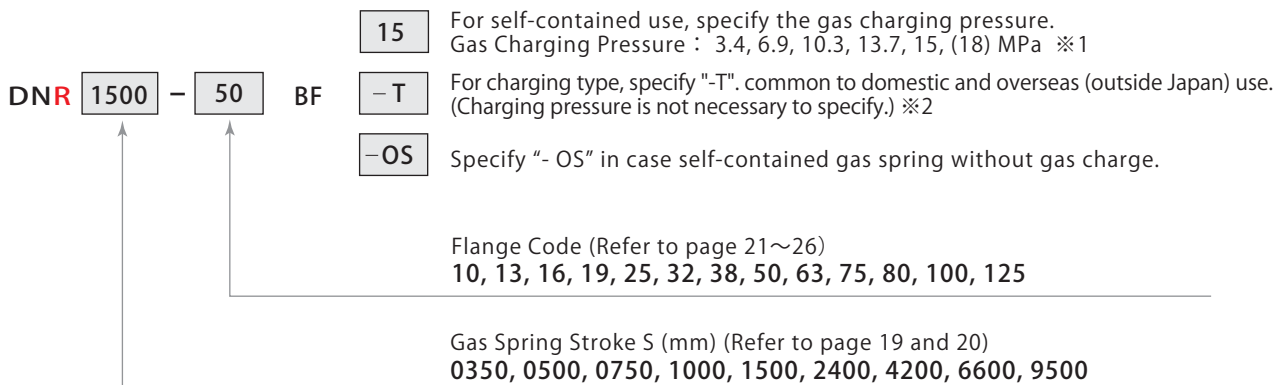
Example : **DNR1500-50FC-T**



- ※1: Choose one of the recommended gas pressure levels shown above. For the charging pressure other than above, specify the pressure to one digit after the decimal point. The gas charging range is 3.4 MPa to 15 MPa at 20°C. (3.4~18MPa for DNR0350 only)
- ※2: Check valve is not mounted at shipment.

## Gas spring

Example : **DNR1500-50BF15**



- ※1: Choose one of the recommended gas pressure levels shown above. For the charging pressure other than above, specify the pressure to one digit after the decimal point. The gas charging range is 3.4 MPa to 15 MPa at 20°C. (3.4~18MPa for DNR0350 only)
- ※2: Check valve is not mounted at shipment.

## Mounting flange

Example : **DJF063-FC**



Model	Stroke S mm	Initial force kN	Full stroke load kN	Compression ratio	Mass kg	L mm	H mm	mm		
DNR0350-	10	10	3.62	5.89	1.63	0.2	50	40	K = 16	T = 6
	13	13	3.62	5.74	1.59	0.2	56	43		
	16	16	3.62	5.65	1.56	0.2	62	46	D = 32	J = 1
	19	19	3.62	5.60	1.55	0.2	68	49		
	25	25	3.62	5.53	1.53	0.2	80	55	B = 27	N = 2
	32	32	3.62	5.49	1.52	0.2	94	62		
	38	38	3.62	5.46	1.51	0.3	106	68	E = 4	Z = 12.5
	50	50	3.62	5.43	1.50	0.3	130	80		
	63	63	3.62	5.42	1.50	0.3	156	93	F = 3.5	P = M6 depth 5
	75	75	3.62	5.40	1.49	0.4	180	105		
	80	80	3.62	5.40	1.49	0.4	190	110	Charging port = M6	
	100 ※	100	3.62	5.39	1.49	0.4	230	130		
125 ※	125	3.62	5.38	1.49	0.5	280	155			
DNR0500-	10	10	4.71	8.02	1.70	0.3	50	40	K = 20	T = 6
	13	13	4.71	7.83	1.66	0.3	56	43		
	16	16	4.71	7.72	1.64	0.3	62	46	D = 38	J = 1
	19	19	4.71	7.66	1.63	0.3	68	49		
	25	25	4.71	7.57	1.61	0.3	80	55	B = 33	N = 2
	32	32	4.71	7.52	1.60	0.4	94	62		
	38	38	4.71	7.49	1.59	0.4	106	68	E = 4	Z = 12.5
	50	50	4.71	7.45	1.58	0.4	130	80		
	63	63	4.71	7.42	1.58	0.5	156	93	F = 4	P = M6 depth 5
	75	75	4.71	7.41	1.57	0.5	180	105		
	80	80	4.71	7.40	1.57	0.6	190	110	Charging port = M6	
	100 ※	100	4.71	7.39	1.57	0.7	230	130		
125 ※	125	4.71	7.38	1.57	0.8	280	155			
DNR0750-	10	10	7.36	11.8	1.60	0.4	52	42	K = 25	T = 6
	13	13	7.36	11.7	1.59	0.4	58	45		
	16	16	7.36	11.6	1.58	0.4	64	48	D = 45	J = 1
	19	19	7.36	11.6	1.58	0.4	70	51		
	25	25	7.36	11.5	1.56	0.4	82	57	B = 40	N = 2
	32	32	7.36	11.4	1.55	0.5	96	64		
	38	38	7.36	11.4	1.55	0.5	108	70	E = 4	Z = 15.5
	50	50	7.36	11.4	1.55	0.6	132	82		
	63	63	7.36	11.4	1.55	0.6	158	95	F = 4	P = M6 depth 5
	75	75	7.36	11.4	1.55	0.7	182	107		
	80	80	7.36	11.4	1.55	0.7	192	112	Charging port = M6	
	100	100	7.36	11.3	1.54	0.8	232	132		
125	125	7.36	11.3	1.54	1.0	282	157			
DNR1000-	13	13	9.24	15.0	1.62	0.5	64	51	K = 28	T = 6
	16	16	9.24	15.0	1.62	0.5	70	54		
	19	19	9.24	15.0	1.62	0.6	76	57	D = 50	J = 2
	25	25	9.24	15.0	1.62	0.6	88	63		
	32	32	9.24	15.0	1.62	0.7	102	70	B = 43	N = 3
	38	38	9.24	15.0	1.62	0.7	114	76		
	50	50	9.24	15.0	1.62	0.8	138	88	E = 8	Z = 15.5
	63	63	9.24	15.0	1.62	0.9	164	101		
	75	75	9.24	15.0	1.62	1.0	188	113	F = 7	P = M6 depth 5
	80	80	9.24	15.0	1.62	1.0	198	118		
	100	100	9.24	15.0	1.62	1.2	238	138	Charging port = M6	
	125	125	9.24	15.0	1.62	1.4	288	163		
DNR1500-	13	13	15.3	23.8	1.56	1.0	70	57	K = 36	T = 6
	16	16	15.3	24.1	1.58	1.0	76	60		
	19	19	15.3	24.3	1.59	1.1	82	63	D = 63	J = 2
	25	25	15.3	24.6	1.61	1.1	94	69		
	32	32	15.3	24.8	1.62	1.2	108	76	B = 56	N = 3
	38	38	15.3	24.9	1.63	1.3	120	82		
	50	50	15.3	25.0	1.63	1.5	144	94	E = 8	Z = 19
	63	63	15.3	25.1	1.64	1.6	170	107		
	75	75	15.3	25.2	1.65	1.8	194	119	F = 7	P = M6 depth 5
	80	80	15.3	25.2	1.65	1.8	204	124		
	100	100	15.3	25.3	1.65	2.1	244	144	Charging port = M6	
	125	125	15.3	25.3	1.65	2.4	294	169		
DNR2400-	16	16	23.9	35.9	1.50	1.4	77	61	K = 45	T = 6
	19	19	23.9	36.3	1.52	1.4	83	64		
	25	25	23.9	36.9	1.54	1.5	95	70	D = 75	J = 2.5
	32	32	23.9	37.3	1.56	1.6	109	77		
	38	38	23.9	37.6	1.57	1.7	121	83	B = 67	N = 3
	50	50	23.9	37.9	1.59	1.9	145	95		
	63	63	23.9	38.2	1.60	2.1	171	108	E = 8	Z = 21
	75	75	23.9	38.3	1.60	2.3	195	120		
	80	80	23.9	38.4	1.61	2.3	205	125	F = 7	P = M6 depth 5
	100	100	23.9	38.5	1.61	2.6	245	145		
	125	125	23.9	38.6	1.62	3.0	295	170	Charging port = M6	

Model	Stroke S mm	Initial force kN	Full stroke load kN	Compression ratio	Mass kg	L mm	H mm	mm	
DNR4200-	16	16	42.4	62.7	1.48	2.9	90	74	K = 60 T = 10.5 D = 95 J = 2.5 B = 87 N = 3 E = 8 Z = 24 F = 7 P = M8 depth 6 Charging port = G1/8(BSPP)
	19	19	42.4	63.8	1.50	2.9	96	77	
	25	25	42.4	65.6	1.55	3.1	108	83	
	32	32	42.4	66.9	1.58	3.3	122	90	
	38	38	42.4	67.7	1.60	3.4	134	96	
	50	50	42.4	68.8	1.62	3.7	158	108	
	63	63	42.4	69.6	1.64	4.0	184	121	
	75	75	42.4	70.1	1.65	4.3	208	133	
	80	80	42.4	70.2	1.66	4.5	218	138	
	100	100	42.4	70.7	1.67	5.0	258	158	
125	125	42.4	71.2	1.68	5.6	308	183		
DNR6600-	16	16	66.3	92.2	1.39	5.3	100	84	K = 75 T = 10.5 D = 120 J = 2.5 B = 112 N = 3 E = 8 Z = 25.5 F = 7 P = M8 depth 6 Charging port = G1/8(BSPP)
	19	19	66.3	94.3	1.42	5.4	106	87	
	25	25	66.3	97.7	1.47	5.5	118	93	
	32	32	66.3	100.3	1.51	5.8	132	100	
	38	38	66.3	102.0	1.54	6.1	144	106	
	50	50	66.3	104.4	1.57	6.6	168	118	
	63	63	66.3	106.1	1.60	7.1	194	131	
	75	75	66.3	107.2	1.62	7.6	218	143	
	80	80	66.3	107.6	1.62	7.8	228	148	
	100	100	66.3	108.9	1.64	8.6	268	168	
125	125	66.3	109.9	1.66	9.6	318	193		
DNR9500-	19 ※	19	95.4	130.8	1.37	9.7	116	97	K = 90 T = 10.5 D = 150 J = 2.5 B = 142 N = 3 E = 8 Z = 27.5 F = 7 P = M8 depth 6 Charging port = G1/8(BSPP)
	25 ※	25	95.4	135.5	1.42	10.1	128	103	
	32 ※	32	95.4	138.9	1.46	10.5	142	110	
	38 ※	38	95.4	141.0	1.48	10.9	154	116	
	50 ※	50	95.4	144.2	1.51	11.7	178	128	
	63 ※	63	95.4	146.5	1.53	12.5	204	141	
	75 ※	75	95.4	148.0	1.55	13.2	228	153	
	80 ※	80	95.4	148.5	1.56	13.5	238	158	
	100 ※	100	95.4	150.1	1.57	14.7	278	178	
	125 ※	125	95.4	151.5	1.59	16.3	328	203	

※made to order

Showing the figures at initial charging pressure 15MPa at 20°C. (18 MPa for model DNR0350 only)

Cylinder base			mm			
DNR0350~DNR1500			DNR2400~DNR9500			
型式	C	M	型式	C	U	M
DNR0350	20	M6 depth 6	DNR2400	28.3	40	M8 depth 6
DNR0500	25	M6 depth 6	DNR4200	42.4	60	M8 depth 13
DNR0750	20	M8 depth 6	DNR6600	56.6	80	M10 depth 13
DNR1000	20	M8 depth 6	DNR9500	70.7	100	M10 depth 16
DNR1500	20	M8 depth 6				

**⚠ Tips for stroke selection**

Use gas spring stroke as long as possible to ensure optimal performance of lubrication inside the cylinder.

