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# Mechanical Seals Catalogue

Product Performance. Affordability. Availability.







Product Performance. Affordability. Availability.



Spraying & granulating



Dry powder pressing



Alumina sintering



SiC & TC sintering



CNC grinding

Lapping



Machining



Stamping



Rubber

Testing equipment



Seal testing system



3-dimensional meters

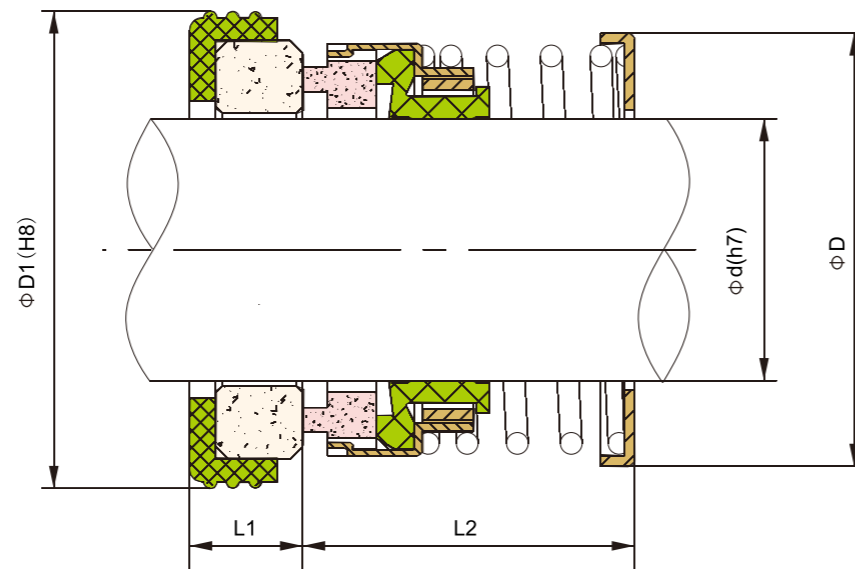
Laser marking



Warehouse

Elastomer  
Bellow  
Shaft Seals

KY TYPE 21 (Inch)



Part #	d	D	D1	L1	L2
KY TYPE 21-1/2"	12.7	23.88	25.4	7.92	20.82
KY TYPE 21-5/8"	15.875	26.7	31.75	10.29	22.43
KY TYPE 21-3/4"	19.05	31.09	34.93	10.29	22.43
KY TYPE 21-7/8"	22.225	33.4	38.1	10.29	24
KY TYPE 21-1"	25.4	43.18	41.28	11.1	25.6
KY TYPE 21-1 1/8"	28.575	46.28	44.45	11.1	27.17
KY TYPE 21-1 1/4"	31.75	49.4	47.63	11.1	27.17
KY TYPE 21-1 3/8"	34.925	52.58	50.8	11.1	28.78
KY TYPE 21-1 1/2"	38.1	55.8	53.98	11.1	28.78
KY TYPE 21-1 5/8"	41.275	62.2	60.33	12.7	35.13
KY TYPE 21-1 3/4"	44.45	66	63.5	12.7	35.13
KY TYPE 21-1 7/8"	47.625	66.6	66.68	12.7	38.3
KY TYPE 21-2"	50.8	73	69.85	12.7	38.3
KY TYPE 21-2 1/8"	53.9	73.3	76.2	14.27	43.05
KY TYPE 21-2 1/4"	57.1	78.41	79.38	14.27	43.05
KY TYPE 21-2 3/8"	60.3	82	82.55	14.27	46.25
KY TYPE 21-2 1/2"	63.5	84.87	85.73	14.27	46.25
KY TYPE 21-2 5/8"	66.6	88.4	85.73	15.9	49.4
KY TYPE 21-2 3/4"	69.8	92.58	88.9	15.9	49.4
KY TYPE 21-2 7/8"	73	94.85	95.25	15.9	52.57
KY TYPE 21-3"	76.2	101.9	98.43	15.9	52.57

Combined Materials

- Stationary Ring (Ceramic/SiC/TC)
- Rotary Ring (Carbon/SiC/TC)
- Secondary Seal (NBR/EPDM/Viton)
- Spring and Punched Parts (Steel)

Compatibility

- John Crane TYPE 21

Working Conditions

- Mediums: Water, oil, and chemical mediums with weak corrosion.
- Temperature: -20°C ~150°C
- Pressure: ≤0.8MPa
- Speed: ≤ 10 m/Sec

KY TYPE 24

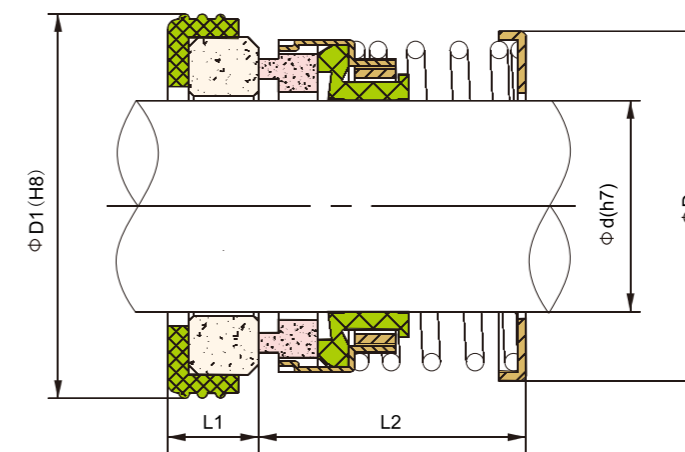


Combined Materials

- Stationary Ring (Ceramic/SiC/TC)
- Rotary Ring (Carbon/SiC/TC)
- Secondary Seal (NBR/EPDM/Viton)
- Spring and Punched Parts (Steel)

Working Conditions

- Mediums: Water, oil, and chemical mediums with weak corrosion.
- Temperature: -20°C~150°C
- Pressure: ≤0.8MPa
- Speed: ≤ 10 m/Sec



Compatibility

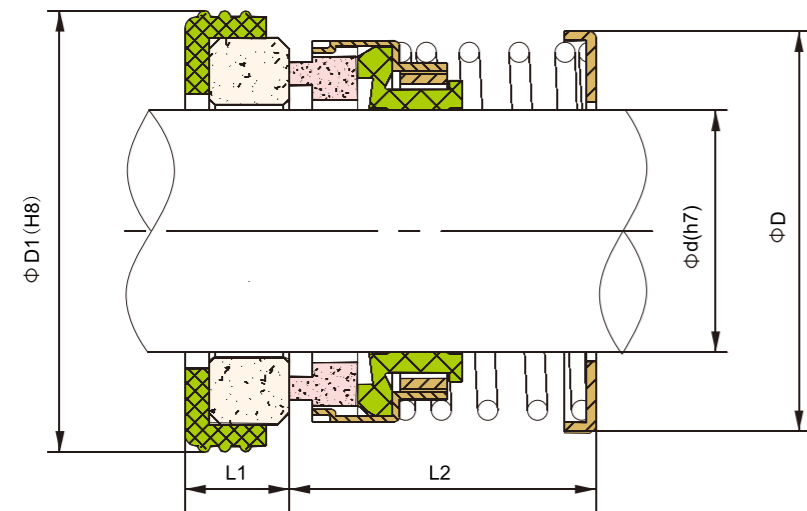
- Vulcan TYPE 24
- John Crane TYPE 521
- ROTEN TYPE 52

Part #	d	D	D1	L1	L2
KY TYPE 24-12	12	21.7	23	8.6	24.1
KY TYPE 24-14	14	24.5	25	8.6	26.6
KY TYPE 24-16	16	26.65	27	8.6	26.6
KY TYPE 24-18	18	30.35	33	10	27.7
KY TYPE 24-20	20	33.4	35	10	27.7
KY TYPE 24-22	22	33.55	37	10	27.7
KY TYPE 24-24	24	38.3	39	10	30.2
KY TYPE 24-25	25	39.3	40	10	30.2
KY TYPE 24-28	28	42.2	43	10	32.7
KY TYPE 24-30	30	43.95	45	10	32.7
KY TYPE 24-32	32	45.75	48	10	32.7
KY TYPE 24-33	33	45.85	48	10	32.7
KY TYPE 24-35	35	49.1	50	10	32.7
KY TYPE 24-38	38	52.6	56	11	34.2
KY TYPE 24-40	40	55.7	58	11	34.2
KY TYPE 24-43	43	58.8	61	11	34.2
KY TYPE 24-45	45	61	63	11	34.2
KY TYPE 24-48	48	64.2	66	11	34.2
KY TYPE 24-50	50	66.6	70	13	34.7
KY TYPE 24-55	55	71.65	75	13	34.7
KY TYPE 24-58	58	78.4	78	13	39.7
KY TYPE 24-60	60	78.4	80	13	39.7
KY TYPE 24-63	63	81.5	83	13	39.7
KY TYPE 24-65	65	84.3	85	13	39.7
KY TYPE 24-68	68	89.65	90	15.3	37.4
KY TYPE 24-70	70	89.65	92	15.3	44.9
KY TYPE 24-75	75	96.8	97	15.3	44.9

Elastomer  
Bellow  
Shaft Seals



Elastomer Bellow Shaft Seals



KY TYPE 20 (Metric)



Combined Materials

- Stationary Ring (Ceramic/SiC/TC)
- Rotary Ring (Carbon/SiC/TC)
- Secondary Seal (NBR/EPDM/Viton)
- Spring and Punched Parts (Steel)

Compatibility

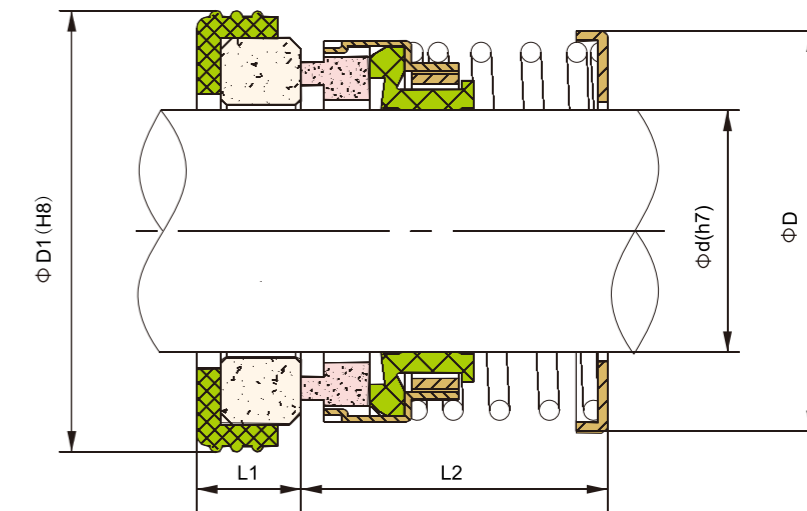
- Vulcan TYPE 20, Burgmann MG920

Working Conditions

- Mediums: Water, oil, and weakly-corrosive mediums, etc.
- Temperature: -20°C~150°C
- Pressure:  $\leq 0.8\text{MPa}$
- Speed:  $\leq 10\text{ m/Sec}$

Part #	d	D	D1	L1	L2
KY TYPE 20-10	10	22.95	24.6	8.74	25.6
KY TYPE 20-12	12	23.9	27.79	8.74	25.6
KY TYPE 20-13	13	23.9	27.79	8.74	25.6
KY TYPE 20-14	14	26.7	30.95	10.32	25.6
KY TYPE 20-15	15	26.7	30.95	10.32	25.6
KY TYPE 20-16	16	26.7	30.95	10.32	25.6
KY TYPE 20-18	18	31.1	34.15	10.32	25.6
KY TYPE 20-19	19	31.1	34.15	10.32	25.6
KY TYPE 20-20	20	33.4	35.7	10.32	25.6
KY TYPE 20-22	22	33.4	37.3	10.32	25.6
KY TYPE 20-24	24	39.2	40.5	10.32	25.6
KY TYPE 20-25	25	39.2	40.5	10.32	25.6
KY TYPE 20-28	28	46.3	47.63	11.99	33.54
KY TYPE 20-30	30	49.4	50.8	11.99	33.54
KY TYPE 20-32	32	49.4	50.8	11.99	33.54
KY TYPE 20-33	33	52.6	53.98	11.99	33.54
KY TYPE 20-34	34	52.6	53.98	11.99	33.54
KY TYPE 20-35	35	52.6	53.98	11.99	33.54
KY TYPE 20-38	38	55.8	57.15	11.99	33.54
KY TYPE 20-40	40	62.2	60.35	11.99	33.54
KY TYPE 20-42	42	66	63.5	11.99	40.68
KY TYPE 20-43	43	66	63.5	11.99	40.68
KY TYPE 20-44	44	66	63.5	11.99	40.68
KY TYPE 20-45	45	66	63.5	11.99	40.68
KY TYPE 20-48	48	66.6	66.7	11.99	40.68
KY TYPE 20-50	50	71.65	69.85	11.99	40.68
KY TYPE 20-53	53	73.3	73.05	13.5	41.2
KY TYPE 20-55	55	78.4	76.2	13.5	41.2
KY TYPE 20-58	58	82	79.4	13.5	41.2
KY TYPE 20-60	60	82	79.4	13.5	41.2
KY TYPE 20-63	63	84.9	82.55	13.5	41.2
KY TYPE 20-65	65	88.4	92.1	15.9	49.2
KY TYPE 20-70	70	92.6	95.52	15.9	49.2
KY TYPE 20-73	73	94.85	98.45	15.9	49.2
KY TYPE 20-75	75	101.9	101.65	15.9	49.2

Elastomer Bellow Shaft Seals



KY TYPE 20 (Inch)



Combined Materials

- Stationary Ring (Ceramic/SiC/TC)
- Rotary Ring (Carbon/SiC/TC)
- Secondary Seal (NBR/EPDM/Viton)
- Spring and Punched Parts (Steel)

Compatibility

- Vulcan TYPE 20, Burgmann MG920

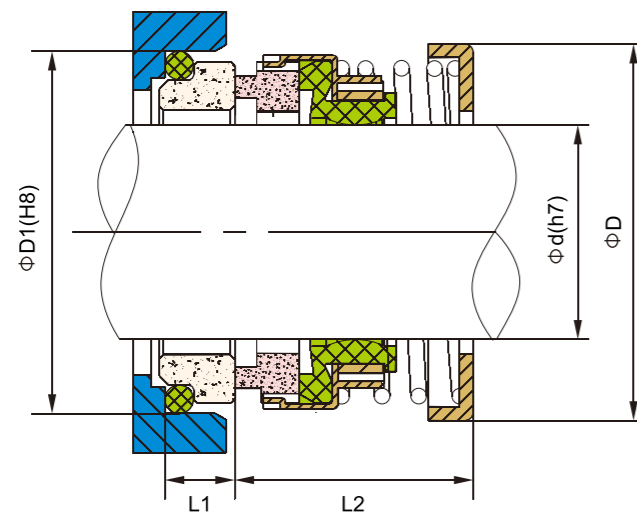
Working Conditions

- Mediums: Water, oil, and weakly-corrosive mediums, etc.
- Temperature: -20°C~150°C
- Pressure:  $\leq 0.8\text{MPa}$
- Speed:  $\leq 10\text{ m/Sec}$

Part #	d	D	D1	L1	L2
KY TYPE 20-3/8"	9.5	22.95	24.6	8.74	25.6
KY TYPE 20-1/2"	12.7	23.9	27.79	8.74	25.6
KY TYPE 20-5/8"	15.8	26.7	30.95	10.32	25.6
KY TYPE 20-3/4"	19.1	31.1	34.15	10.32	25.6
KY TYPE 20-7/8"	22.2	33.4	37.3	10.32	25.6
KY TYPE 20-1"	25.4	43.2	40.5	10.32	25.6
KY TYPE 20-1 1/8"	28.6	46.3	47.63	11.99	33.54
KY TYPE 20-1 1/4"	31.7	49.4	50.8	11.99	33.54
KY TYPE 20-1 3/8"	34.9	52.6	53.98	11.99	33.54
KY TYPE 20-1 1/2"	38.1	55.8	57.15	11.99	33.54
KY TYPE 20-1 5/8"	41.2	62.2	60.35	11.99	33.54
KY TYPE 20-1 3/4"	44.4	66	63.5	11.99	40.68
KY TYPE 20-1 7/8"	47.6	66.6	66.7	11.99	40.68
KY TYPE 20-2"	50.8	73	69.85	11.99	40.68
KY TYPE 20-2 1/8"	53.9	73.3	73.05	13.5	41.2
KY TYPE 20-2 1/4"	57.1	78.4	76.2	13.5	41.2
KY TYPE 20-2 3/8"	60.3	82	79.4	13.5	41.2
KY TYPE 20-2 1/2"	63.5	84.9	82.55	13.5	41.2
KY TYPE 20-2 5/8"	66.6	88.4	92.1	15.9	49.2
KY TYPE 20-2 3/4"	69.8	92.6	95.52	15.9	49.2
KY TYPE 20-2 7/8"	73	94.85	98.45	15.9	49.2
KY TYPE 20-3"	76.2	101.9	101.65	15.9	49.2



## Elastomer Bellow Shaft Seals



### KY TYPE 443

Part #	d	D	D1	L1	L2
KY TYPE 443-10	10	20	21	8.5	24.1
KY TYPE 443-12	12	21.7	23	8.5	24.1
KY TYPE 443-14	14	24.5	25	8.5	26.7
KY TYPE 443-16	16	26.65	27	8.5	26.7
KY TYPE 443-18	18	30.35	33	10	27.7
KY TYPE 443-20	20	31.75	35	10	27.7
KY TYPE 443-22	22	33.55	37	10	27.7
KY TYPE 443-24	24	38.3	39	10	30.2
KY TYPE 443-25	25	38.3	40	10	30.2
KY TYPE 443-28	28	42.2	43	10	32.7
KY TYPE 443-30	30	43.95	45	10	32.7
KY TYPE 443-32	32	45.7	48	10	32.7
KY TYPE 443-33	33	46.75	48	10	32.7
KY TYPE 443-35	35	49.1	50	10	32.7
KY TYPE 443-38	38	52.4	56	11	34.2
KY TYPE 443-40	40	55.7	58	11	34.2
KY TYPE 443-43	43	55.8	61	11	34.2
KY TYPE 443-45	45	61.2	63	11	34.2
KY TYPE 443-48	48	64.35	66	11	34.2
KY TYPE 443-50	50	67.35	70	13	34.7
KY TYPE 443-53	53	70.65	73	13	34.7
KY TYPE 443-55	55	71.65	75	13	34.7
KY TYPE 443-58	58	78.4	78	13	39.7
KY TYPE 443-60	60	78.4	80	13	39.7
KY TYPE 443-63	63	81.5	83	13	39.7
KY TYPE 443-65	65	84.3	85	13	39.7
KY TYPE 443-68	68	89.65	90	15.3	37.4
KY TYPE 443-70	70	89.65	92	15.3	44.9
KY TYPE 443-75	75	96.8	97	15.3	44.9
KY TYPE 443-80	80	104	105	15.7	44.5
KY TYPE 443-85	85	107.95	110	15.7	44.5
KY TYPE 443-90	90	111.1	115	15.7	49.5
KY TYPE 443-95	95	119	120	15.7	49.5
KY TYPE 443-100	100	124	125	15.7	49.5

#### Combined Materials

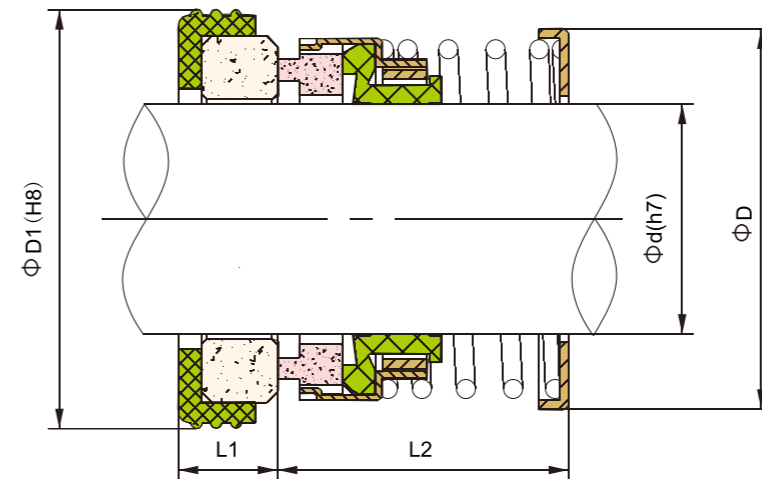
- Stationary Ring (Ceramic/SiC/TC)
- Rotary Ring (Carbon/SiC/TC)
- Secondary Seal (NBR/EPDM/Viton)
- Spring and Punched Parts (Steel)

#### Compatibility

- SEALOL TYPE 843

#### Working Conditions

- Mediums: Water, oil, and weakly-corrosive fluids.
- Temperature:  $-20^{\circ}\text{C} \sim 150^{\circ}\text{C}$
- Pressure:  $\leq 0.8\text{MPa}$
- Speed:  $\leq 10\text{ m/Sec}$



### KY TYPE BIA

#### Working Conditions

- Mediums: Water, oil, and weakly-corrosive mediums.
- Temperature:  $-20^{\circ}\text{C} \sim 150^{\circ}\text{C}$
- Pressure:  $\leq 0.8\text{MPa}$
- Speed:  $\leq 10\text{ m/Sec}$



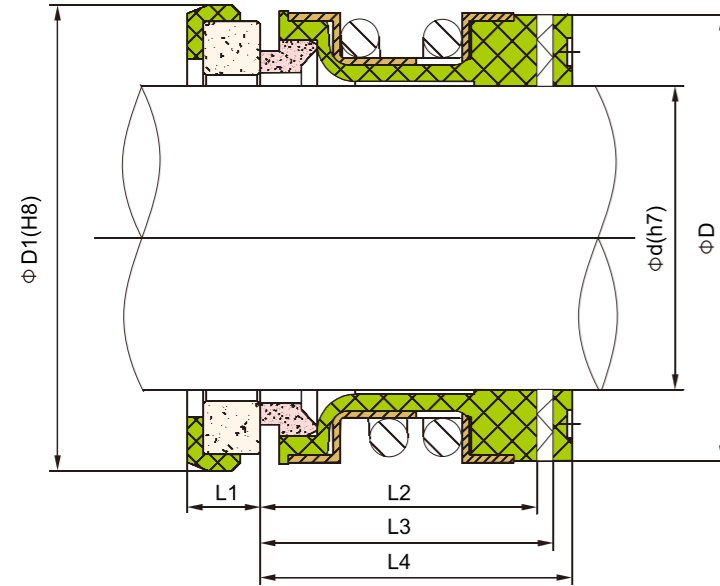
#### Combined Materials

- Stationary Ring (Ceramic/SiC/TC)
- Rotary Ring (Carbon/SiC/TC)
- Secondary Seal (NBR/EPDM/Viton)
- Spring and Punched Parts (Steel)

Part #	d	D	D1	L1	L2
KY TYPE BIA-14	14	27.5	30	5	18.7
KY TYPE BIA-16	16	28.5	32	5	21
KY TYPE BIA-18	18	31.2	35	7.5	22.5
KY TYPE BIA-20	20	31.7	35	8	21
KY TYPE BIA-24	24	40.2	39	8	25.5
KY TYPE BIA-25	25	40.2	40	8	25.5
KY TYPE BIA-28	28	44.1	43	8	25.5
KY TYPE BIA-30	30	45.1	45	9	25.5
KY TYPE BIA-32	32	49	48	9	33.5
KY TYPE BIA-33	33	49	48	9	33.5
KY TYPE BIA-35	35	50.2	50	9	33.5
KY TYPE BIA-38	38	55.3	56	9	33.5
KY TYPE BIA-40	40	57	58	9	33.5
KY TYPE BIA-43	43	60.7	61	9.5	36.5
KY TYPE BIA-45	45	62.5	63	9.5	38
KY TYPE BIA-48	48	66.5	66	9.5	38
KY TYPE BIA-50	50	68.6	70	9.5	38
KY TYPE BIA-53	53	70.8	73	9.5	41
KY TYPE BIA-55	55	72.4	75	9.5	41
KY TYPE BIA-58	58	80	78	9.5	42
KY TYPE BIA-60	60	83	80	9.5	42
KY TYPE BIA-65	65	87.2	85	9.5	43
KY TYPE BIA-70	70	91.6	92	11	45
KY TYPE BIA-75	75	99.4	97	12	48
KY TYPE BIA-80	80	104.6	104	12	55
KY TYPE BIA-85	85	111	109	12	64.2
KY TYPE BIA-90	90	113	114	12	66.2

## Elastomer Bellow Shaft Seals

## Elastomer Bellow Shaft Seals



### Compatibility

- John Crane TYPE 2100

### Combined Materials

- Stationary Ring (Ceramic/SiC/TC)
- Rotary Ring (Carbon/SiC/TC)
- Secondary Seal (NBR/EPDM/Viton)
- Spring and Punched Parts (Steel)

### Working Conditions

- Mediums: Water, oil, and weakly-corrosive mediums.
- Temperature:  $-40^{\circ}\text{C} \sim 150^{\circ}\text{C}$
- Pressure:  $\leq 1.2\text{MPa}$
- Speed:  $\leq 13\text{ m/Sec}$

## KY TYPE 2100 (Inch)

Part #	d	D	D1	L1	L2
KY TYPE 2100-3/8"	9.525	20	22.225	7.9	15.2
KY TYPE 2100-1/2"	12.7	24	25.4	7.9	15.2
KY TYPE 2100-5/8"	15.875	26	31.75	10.3	15.2
KY TYPE 2100-3/4"	19.05	32	34.93	10.3	20.2
KY TYPE 2100-7/8"	22.225	36	38.1	10.3	20.2
KY TYPE 2100-1"	25.4	39	41.28	11.1	20.2
KY TYPE 2100-1 1/8"	28.575	42	44.45	11.1	26.2
KY TYPE 2100-1 1/4"	31.75	46	47.63	11.1	26.2
KY TYPE 2100-1 3/8"	34.925	49	50.8	11.1	26.2
KY TYPE 2100-1 1/2"	38.1	54	53.98	11.1	30.2
KY TYPE 2100-1 5/8"	41.275	56	60.33	12.7	30.2
KY TYPE 2100-1 3/4"	44.45	61	63.5	12.7	30.2
KY TYPE 2100-1 7/8"	47.625	64	66.68	12.7	30.2
KY TYPE 2100-2"	50.8	66	69.85	12.7	30.2
KY TYPE 2100-2 1/8"	53.975	69	76.2	14.3	30.2
KY TYPE 2100-2 1/4"	57.15	77	79.38	14.3	33.2
KY TYPE 2100-2 3/8"	60.325	80	82.55	14.3	33.2
KY TYPE 2100-2 1/2"	63.5	83	85.73	14.3	33.2
KY TYPE 2100-2 5/8"	66.675	88	85.73	15.9	33.2
KY TYPE 2100-2 3/4"	69.85	89	88.9	15.9	33.2
KY TYPE 2100-2 7/8"	73.025	96	95.25	15.9	33.2
KY TYPE 2100-3"	76.2	99	98.425	15.9	40.2
KY TYPE 2100-3 1/8"	79.375	103	101.6	19.8	40.2
KY TYPE 2100-3 1/4"	82.55	104	104.775	19.8	40.2
KY TYPE 2100-3 3/8"	85.725	108	107.95	19.8	40.2
KY TYPE 2100-3 1/2"	88.9	112	111.125	19.8	40.2
KY TYPE 2100-3 5/8"	92.075	114	114.3	19.8	40.2
KY TYPE 2100-3 3/4"	95.25	118	117.475	19.8	40.2
KY TYPE 2100-3 7/8"	98.425	122	120.65	19.8	40.2
KY TYPE 2100-4"	101.6	124	123.83	19.8	40.2

## KY TYPE 2100 (Metric)

Part #	d	D	D1	L1	L2	L3	L4
KY TYPE 2100-10	10	20	21	5	15.2	27.7	35.2
KY TYPE 2100-12	12	22	23	6	15.2	26.7	34.2
KY TYPE 2100-14	14	24	25	6	15.2	29.2	34.2
KY TYPE 2100-15	15	25	26	6	15.2	29.2	34.2
KY TYPE 2100-16	16	26	27	6	15.2	29.2	34.2
KY TYPE 2100-18	18	32	33	6	20.2	31.7	39.2
KY TYPE 2100-20	20	34	35	6	20.2	31.7	39.2
KY TYPE 2100-22	22	36	37	6	20.2	31.7	39.2
KY TYPE 2100-24	24	38	39	6	20.2	34.2	44.2
KY TYPE 2100-25	25	39	40	6	20.2	34.2	44.2
KY TYPE 2100-28	28	42	43	6	26.2	36.7	44.2
KY TYPE 2100-30	30	44	45	7	26.2	35.7	43.2
KY TYPE 2100-32	32	46	48	7	26.2	35.7	48.2
KY TYPE 2100-33	33	47	48	7	26.2	35.7	48.2
KY TYPE 2100-35	35	49	50	8	26.2	34.7	47.2
KY TYPE 2100-38	38	54	56	8	30.2	37.2	47.2
KY TYPE 2100-40	40	56	58	8	30.2	37.2	47.2
KY TYPE 2100-43	43	59	61	8	30.2	37.2	52.2
KY TYPE 2100-45	45	61	63	8	30.2	37.2	52.2
KY TYPE 2100-48	48	64	66	10	30.2	35.2	50.2
KY TYPE 2100-50	50	66	70	10	30.2	37.7	50.2
KY TYPE 2100-53	53	69	73	10	30.2	37.7	60.2
KY TYPE 2100-55	55	71	75	10	30.2	37.7	60.2
KY TYPE 2100-58	58	78	78	10	33.2	42.7	60.2
KY TYPE 2100-60	60	80	80	12	33.2	40.7	58.2
KY TYPE 2100-63	63	83	83	12	33.2	40.7	58.2
KY TYPE 2100-65	65	85	85	12	33.2	40.7	68.2
KY TYPE 2100-68	68	88	90	12	33.2	40.7	68.2
KY TYPE 2100-70	70	90	92	12	33.2	48.2	68.2
KY TYPE 2100-75	75	99	97	12	40.2	48.2	68.2
KY TYPE 2100-80	80	104	105	14	40.2	47.7	77.7
KY TYPE 2100-85	85	109	110	14	40.2	47.7	77.7
KY TYPE 2100-90	90	114	115	14	40.2	52.7	77.7
KY TYPE 2100-95	95	119	120	14	40.2	52.7	77.7
KY TYPE 2100-100	100	124	125	14	40.2	52.7	77.7



### Combined Materials

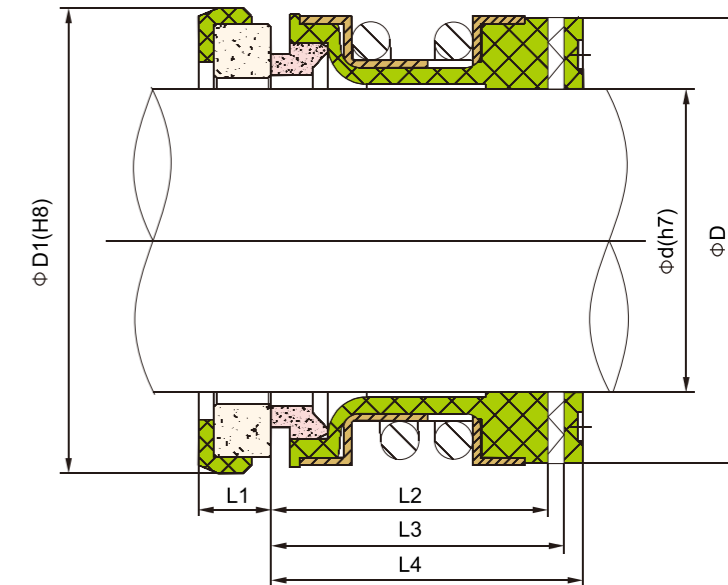
- Stationary Ring (Ceramic/SiC/TC)
- Rotary Ring (Carbon/SiC/TC)
- Secondary Seal (NBR/EPDM/Viton)
- Spring and Punched Parts (Steel)

### Compatibility

- John Crane TYPE 2100

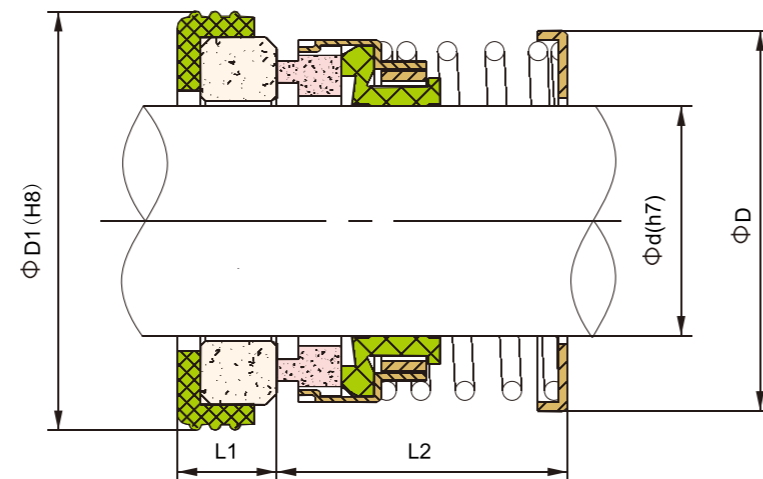
### Working Conditions

- Mediums: Water, oil, and weakly-corrosive mediums.
- Temperature:  $-40^{\circ}\text{C} \sim 150^{\circ}\text{C}$
- Pressure:  $\leq 1.2\text{MPa}$
- Speed:  $\leq 13\text{ m/Sec}$





## Elastomer Bellow Shaft Seals



### KY EA560 (Metric, Inch)

#### Combined Materials

- Stationary Ring (Ceramic/SiC/TC)
- Rotary Ring (Carbon/SiC/TC)
- Secondary Seal (NBR/EPDM/Viton)
- Spring and Punched Parts (Steel)

#### Working Conditions

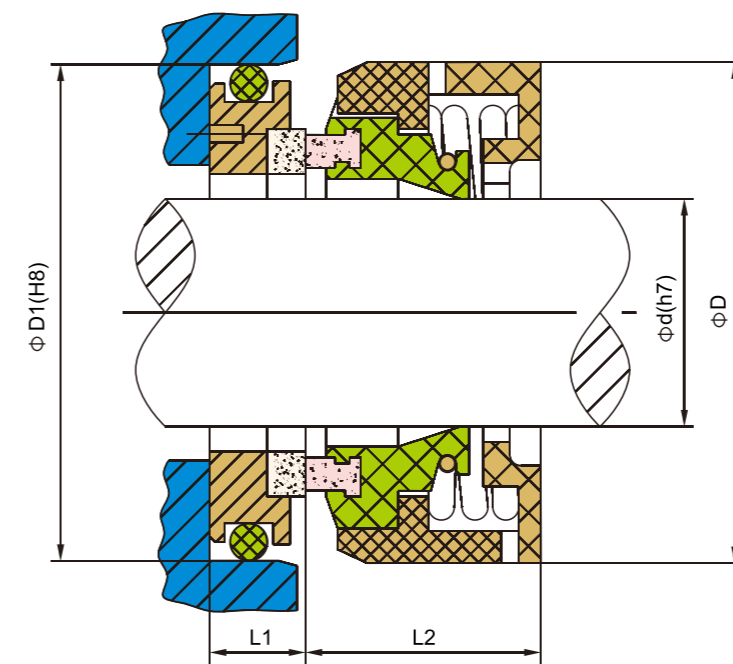
- Mediums: Water, oil, and weakly-corrosive mediums.
- Temperature:  $-20^{\circ}\text{C} \sim 150^{\circ}\text{C}$
- Pressure:  $\leq 0.8\text{MPa}$
- Speed:  $\leq 10\text{ m/Sec}$

#### Compatibility

- EagleBurgmann EA560

Part #	d	D	D1	L1	L2
KY EA560-3/8"	9.525	23.5	22.225	6.4	22.2
KY EA560-1/2"	12.7	26	25.4	6.4	22.2
KY EA560-5/8"	15.875	30	31.75	8.7	23.8
KY EA560-3/4"	19.05	32.5	34.925	8.7	23.8
KY EA560-7/8"	22.225	37.5	38.1	8.7	25.4
KY EA560-1"	25.4	44	41.275	9.5	27
KY EA560-1 1/8"	28.575	48	44.45	9.5	28.6
KY EA560-1 1/4"	31.75	50	47.625	9.5	28.6
KY EA560-1 3/8"	34.925	54.5	50.8	9.5	30.2
KY EA560-1 1/2"	38.1	58.5	53.975	9.5	30.2
KY EA560-1 5/8"	41.275	64	60.325	11.1	36.5
KY EA560-1 3/4"	44.45	67	63.5	11.1	36.5
KY EA560-1 7/8"	47.625	71	66.675	11.1	39.7
KY EA560-2"	50.8	73.5	69.85	11.1	39.7

Part #	d	D	D1	L1	L2
KY EA560-8	8	18.2	21	7	11.2
KY EA560-9	9	18.2	24	7	16.2
KY EA560-10	10	20.6	24	7	16.2
KY EA560-11	11	20.6	24	7	16.2
KY EA560-12	12	21.8	26	7	17.2
KY EA560-13	13	21.8	26	7	17.2
KY EA560-14	14	26.4	28	7	18.2
KY EA560-15	15	26.4	28	7	18.2
KY EA560 16	16	26.4	32	8	19.2
KY EA560-17	17	29.5	32	8	19.2
KY EA560-18	18	29.5	35	8	19.2
KY EA560-19	19	29.5	35	8	19.2
KY EA560-20	20	31.6	38	8	20.2
KY EA560-22	22	33.6	40	8	20.2
KY EA560-25	25	39.6	44	9	20.2
KY EA560-28	28	45	46	9	21.2
KY EA560-30	30	46.6	50	9	22.2
KY EA560-32	32	46.6	54	9	24.2
KY EA560-35	35	50.8	58	10	26.2
KY EA560-38	38	54.3	60	10	27.2
KY EA560-40	40	57.3	64	10	28.2
KY EA560-45	45	61.3	66	10	30.2
KY EA560-50	50	67.8	72	10	32.2



### KY TYPE 216

Part #	d	D	D1	L1	L2
KY TYPE 216-20	20	42.5	55.5	11	25.7
KY TYPE 216-22	22	47	45.5	9	23.8
KY TYPE 216-25	25	54	50.5	10	28.8
KY TYPE 216-28	28	54	50.5	10	28.8
KY TYPE 216-30	30	54	50.5	10	28.8
KY TYPE 216-35	35	62	60.5	11	29

#### Combined Materials

- Stationary Ring (SiC/TC)
- Rotary Ring (SiC/TC)
- Secondary Seal (NBR/EPDM/Viton)
- Spring and Retainer (Steel and plastic or Cast Aluminum Alloy.)

#### Working Conditions

- Mediums: Water, oil and weakly-corrosive mediums.
- Temperature:  $-20^{\circ}\text{C} \sim 200^{\circ}\text{C}$
- Pressure:  $\leq 0.5\text{MPa}$
- Speed:  $\leq 5\text{ m/Sec}$

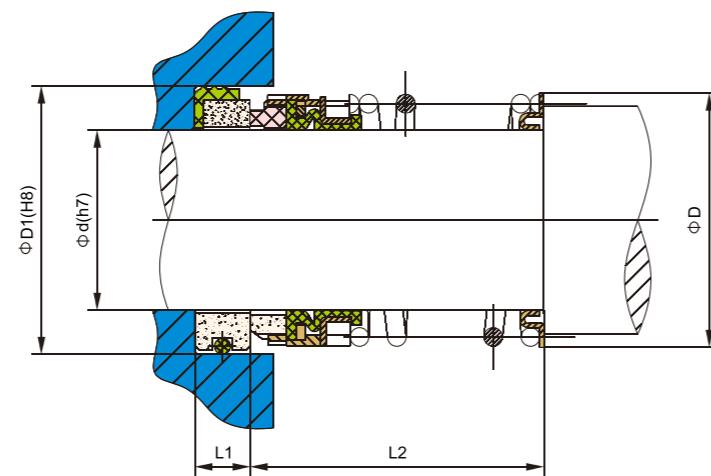


## Elastomer Bellow Shaft Seals

## Elastomer Bellow Shaft Seals



KY TYPE 1



Part #	d	D	D1	L1	L2
KY TYPE 1-5/8"	15.875	27.76	31.75	10.29	33.52
KY TYPE 1-3/4"	19.05	30.6	34.93	10.29	33.52
KY TYPE 1-7/8"	22.225	35	38.1	10.29	35.13
KY TYPE 1-1"	25.4	39	41.28	11.1	39.87
KY TYPE 1-1 1/8"	28.575	42	44.45	11.1	41.48
KY TYPE 1-1 1/4"	31.75	45	47.63	11.1	41.48
KY TYPE 1-1 3/8"	34.925	49	50.8	11.1	43.05
KY TYPE 1-1 1/2"	38.1	51	53.98	11.1	43.05
KY TYPE 1-1 5/8"	41.275	58	60.33	12.7	51
KY TYPE 1-1 3/4"	44.45	61	63.5	12.7	51
KY TYPE 1-1 7/8"	47.625	63.8	66.68	12.7	54.17
KY TYPE 1-2"	50.8	68	69.85	12.7	54.17
KY TYPE 1-2 1/8"	53.9	71.42	76.2	14.27	60.53
KY TYPE 1-2 1/4"	57.1	74.6	79.38	14.27	60.53
KY TYPE 1-2 3/8"	60.3	77.77	82.55	14.27	63.7
KY TYPE 1-2 1/2"	63.5	80.95	85.73	14.27	63.7
KY TYPE 1-2 5/8"	66.6	85.73	85.73	15.9	70.05
KY TYPE 1-2 3/4"	69.8	88.9	88.9	15.9	70.05
KY TYPE 1-2 7/8"	73	92.08	95.25	15.9	73.2
KY TYPE 1-3"	76.2	95.25	98.43	15.9	73.2

### Combined Materials

- Stationary Ring (Ceramic/SiC/TC)
- Rotary Ring (Carbon/SiC/TC)
- Secondary Seal (NBR/EPDM/Viton)
- Spring and Punched Parts (Steel)

### Compatibility

- John Crane TYPE 1

### Working Conditions

- Mediums: Water, oil and weakly-corrosive mediums.
- Temperature:  $-20^{\circ}\text{C} \sim 150^{\circ}\text{C}$
- Pressure:  $\leq 1\text{MPa}$
- Speed:  $\leq 12\text{ m/Sec}$

Part #	d	D	D1	L1	L2
KY TYPE 2-16	16	34	30	8	25.2
KY TYPE 2-18	18	36.8	32	8	25.2
KY TYPE 2-20	20	38.8	34	8	25.2
KY TYPE 2-22	22	41.5	36	8	25.2
KY TYPE 2-25	25	44.8	39	8	26.2
KY TYPE 2-28	28	48.5	43	8	26.2
KY TYPE 2-30	30	52	48	8	26.2
KY TYPE 2-35	35	57	53	10	30.2
KY TYPE 2-40	40	67	58	10	34.2
KY TYPE 2-45	45	73	63	10	36.2
KY TYPE 2-50	50	79	68	10	41.2
KY TYPE 2-55	55	84	73	12	41.2
KY TYPE 2-60	60	90	79	12	41.2
KY TYPE 2-65	65	98.5	86	12	49.2
KY TYPE 2-70	70	103.5	91	12	52.2
KY TYPE 2-75	75	110.5	96	12	52.2
KY TYPE 2-80	80	120	105	14	56.2
KY TYPE 2-85	85	125	110	14	56.2
KY TYPE 2-90	90	132	115	14	56.2
KY TYPE 2-95	95	137	120	14	56.2
KY TYPE 2-100	100	144	125	14	62.2
KY TYPE 2-110	110	157	135	16	62.2
KY TYPE 2-120	120	169.5	145	16	72.2

Part #	d	D	D1	L1	L2
KY TYPE 2-5/8"	15.87	34	30.95	10.3	25.2
KY TYPE 2-3/4"	19.05	38.8	34.15	10.3	25.2
KY TYPE 2-7/8"	22.22	41.5	37.3	10.3	25.2
KY TYPE 2-1"	25.4	44.8	40.5	10.3	25.2
KY TYPE 2-1 1/8"	28.57	48.5	47.65	11.9	33.2
KY TYPE 2-1 1/4"	31.75	57	50.8	11.9	33.2
KY TYPE 2-1 3/8"	34.92	57	54	11.9	33.2
KY TYPE 2-1 1/2"	38.1	67	57.15	11.9	33.2
KY TYPE 2-1 5/8"	41.27	67	60.35	11.9	33.2
KY TYPE 2-1 3/4"	44.45	73	63.5	11.9	41.2
KY TYPE 2-1 7/8"	47.62	73	66.7	11.9	41.2
KY TYPE 2-2"	50.8	79	69.85	13.5	41.2
KY TYPE 2-2 1/8"	53.97	84	73.05	13.5	41.2
KY TYPE 2-2 1/4"	57.15	84	76.2	13.5	41.2
KY TYPE 2-2 3/8"	60.32	90	79.4	13.5	41.2
KY TYPE 2-2 1/2"	63.5	94	82.55	13.5	41.2



KY TYPE 2  
(Metric, Inch)

## Elastomer Bellow Shaft Seals

### Combined Materials

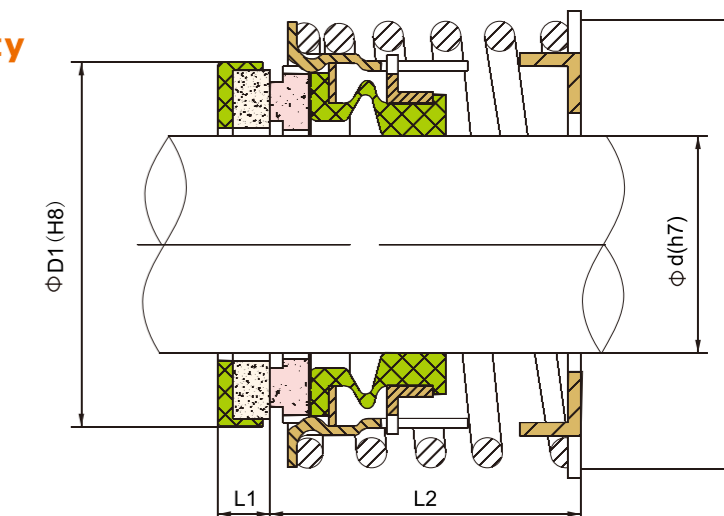
- Stationary Ring (Ceramic/SiC/TC)
- Rotary Ring (Carbon/SiC/TC)
- Secondary Seal (NBR/EPDM/Viton)
- Spring and Punched Parts (Steel)

### Working Conditions

- Mediums: Water, oil, weak acids, weak alkali, etc.
- Temperature:  $-20^{\circ}\text{C} \sim 100^{\circ}\text{C}$
- Pressure:  $\leq 1\text{MPa}$
- Speed:  $\leq 12\text{ m/Sec}$

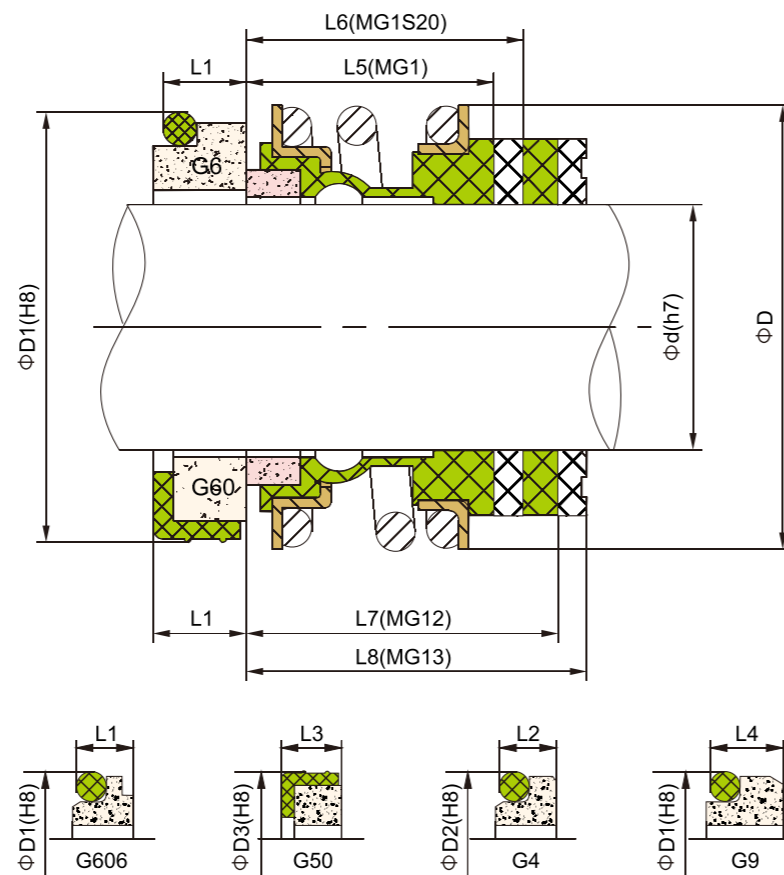
### Compatibility

- John Crane TYPE 2





## Elastomer Bellow Shaft Seals



### KY MG1 / MG12 / MG13 / MG1S20

#### Compatibility

- Burgmann MG1 / MG12 / MG13 / MG1S20

#### Combined Materials

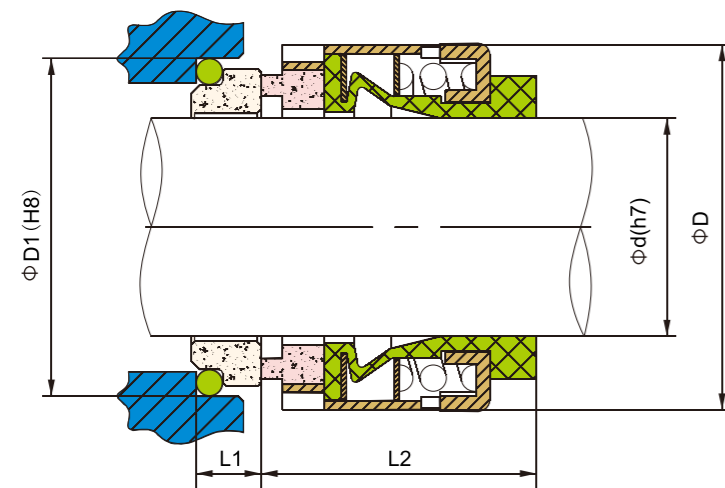
- Stationary Ring (Ceramic/SiC/TC)
- Rotary Ring (Carbon/SiC/TC)
- Secondary Seal (NBR/EPDM/Viton)
- Spring and Punched Parts (Steel)

#### Working Conditions

- Pumps: All types of rotating equipment, such as centrifugal pumps, agitators, for most general and light chemical duties, wherever an elastomer Secondary Seal can be used.
- Temperature:  $-30^{\circ}\text{C}\sim 200^{\circ}\text{C}$
- Pressure:  $\leq 1.2\text{MPa}$       Speed:  $\leq 12\text{ m/Sec}$
- Design feature: Elastomeric bellows seal design including kinds of statconary ring, complying with DIN24960 and ISO3069, combined with G60, G50, G6, G4, G9, G606, etc.

d	D	D1	D2	D3	L1	L2	L3	L4	L5	L6	L7	L8
10	22	21	19.2	24.6	6.5	6.5	9	10	14.7	25.5	26	33.5
12	24.5	23	21.6	27.8	6.5	5.5	9	10	15.2	25.5	26	33.5
14	28	25	24.6	30.95	6.5	5.5	10.5	10	17.2	25.5	28.5	33.5
15	28	27	24.6	30.95	6.5	6.5	10.5	10	17.2	25.5	28.5	33.5
16	28	27	28	30.95	6.5	7.5	10.5	10	17.2	25.5	28.5	33.5
18	31.5	33	30	34.15	7.5	8	10.5	11.4	19.7	25.5	30.1	37.7
19	36.5	35	35	34.15	7.5	7.5	10.5	11.4	21.7	25.5	30.1	37.7
20	36.5	35	35	35.7	7.5	7.5	10.5	11.4	21.7	25.5	30.1	37.7
22	36.5	37	35	37.3	7.5	7.5	10.5	11.4	21.7	25.5	30.1	37.7
24	42	39	38	40.5	7.5	7.5	10.5	11.4	22.7	25.5	32.7	42.7
25	42	40	38	40.5	7.5	7.5	10.5	11.4	23.2	25.5	32.7	42.7
28	48.5	43	42	46.65	7.5	9	12	11.4	26.7	33.5	35.2	42.7
30	48.5	45	45	50.8	7.5	10.5	12	11.4	26.7	33.5	35.2	42.7
32	53	48	48	50.8	7.5	10.5	12	11.4	27.7	33.5	35.2	47.7
33	53	48	50	54	7.5	11	12	11.4	27.7	33.5	35.2	47.7
35	56.5	50	52	54	7.5	11	12	11.4	28.7	33.5	35.2	47.7
38	58.5	56	55	57.15	9	10.5	12	14	30.2	33.5	36.2	46.2
40	61.5	58	58	60.35	9	10.8	12	14	30.2	33.5	36.2	46.2
42	65	61	62	63.5	9	12	12	14	30.2	41.5	36.2	51.2
43	65	61	62	63.5	9	12	12	14	30.2	41.5	36.2	51.2
45	67.5	63	64	63.5	9	11.5	12	14	30.2	41.5	36.2	51.2
48	70	66	68.4	66.7	9	11.5	12	14	30.7	41.5	36.2	51.2
50	73.5	70	69.3	69.85	9.5	11.5	13.5	15	30.7	41.5	38.2	50.7
53	78	73	72.3	73.05	11	12.5	13.5	15	33.2	41.5	36.7	59.2
55	80.5	75	75.4	76.2	11	13.5	13.5	15	35.2	41.5	36.7	59.2
58	85	78	78.4	79.4	11	13.5	13.5	15	37.2	41.5	41.7	59.2
60	88	80	80.4	79.4	11	13.5	13.5	15	38.2	41.5	41.7	59.2
65	93	85	85.4	92.1	11	13	16	15	40.2	49.5	41.7	69.2
68	96	90	91.5	95.25	11.5	13.7	16	18	40.2	49.5	41.3	69
70	99	92	92	95.25	11.5	13	16	18	40.2	49.5	49	69
75	106.5	97	99	101.6	11.5	14	16	18	40.2	52.5	49	69
80	111.5	105	104	114.3	12	15	20	18.3	40.2	56.5	48.2	78.2
85	119.5	110	109	117.5	14	15	20	18.3	41.2	56.5	46.2	76.2
90	126.5	115	114	123.85	14	15	20	18.3	45.2	59.5	51.2	76.2
95	131.5	120	120.3	127	14	16	20	17.3	46.2	59.5	51.2	76.2
100	136.5	125	123.3	133.35	14	16	20	17.3	47.2	62.5	51.2	76.2

## Elastomer Bellow Shaft Seals



### KY TYPE 502

Part #	d	D	D1	L1	L2
KY TYPE 502-14	14	24	25	12	23.2
KY TYPE 502-16	16	26	27	12	23.2
KY TYPE 502-18	18	32	33	13.5	24.2
KY TYPE 502-20	20	34	35	13.5	24.2
KY TYPE 502-22	22	36	37	13.5	24.2
KY TYPE 502-24	24	38	39	13.3	26.9
KY TYPE 502-25	25	39	40	13	27.2
KY TYPE 502-28	28	42	43	12.5	30.2
KY TYPE 502-30	30	44	45	11.9	30.7
KY TYPE 502-32	32	46	48	11.9	30.7
KY TYPE 502-33	33	47	48	11.9	30.7
KY TYPE 502-35	35	49	50	11.9	30.7
KY TYPE 502-38	38	54	56	12.9	32.2
KY TYPE 502-40	40	56	58	12.9	32.2
KY TYPE 502-43	43	59	61	12.9	32.2
KY TYPE 502-45	45	61	63	12.9	32.2
KY TYPE 502-48	48	64	66	12.9	32.2
KY TYPE 502-50	50	66	70	13.4	34.2
KY TYPE 502-53	53	69	73	13.4	34.2
KY TYPE 502-55	55	71	75	13.4	34.2
KY TYPE 502-58	58	78	78	13.4	39.2
KY TYPE 502-60	60	80	80	13.4	39.2
KY TYPE 502-63	63	83	83	13.4	39.2
KY TYPE 502-65	65	85	85	13.4	39.2
KY TYPE 502-68	68	88	90	13.4	39.2
KY TYPE 502-70	70	89	92	14.5	45.7
KY TYPE 502-75	75	96	97	14.5	45.7
KY TYPE 502-80	80	104	105	15	45.2
KY TYPE 502-85	85	108	110	15	45.2
KY TYPE 502-90	90	114	115	15	50.2
KY TYPE 502-95	95	118	120	15	50.2
KY TYPE 502-100	100	124	125	15	50.2

#### Combined Materials

- Stationary Ring (Ceramic/SiC/TC)
- Rotary Ring (Carbon/SiC/TC)
- Secondary Seal (NBR/EPDM/Viton)
- Spring and Punched Parts (Steel)

#### Working Conditions

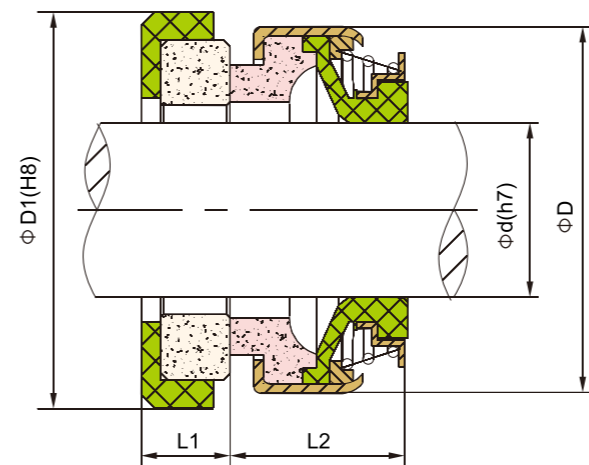
- Mediums: Water, oil and weakly-corrosive mediums.
- Temperature:  $-30^{\circ}\text{C} \sim 200^{\circ}\text{C}$
- Pressure:  $\leq 1.2\text{MPa}$
- Speed:  $\leq 12\text{ m/Sec}$

#### Compatibility

- John Crane TYPE 502
- VULCAN TYPE 1724



## Elastomer Bellow Shaft Seals



### KY BT-AR

#### Combined Materials

- Stationary Ring (Ceramic/SiC/TC)
- Rotary Ring (Carbon/SiC/TC)
- Secondary Seal (NBR/EPDM/Viton)
- Spring and Punched Parts (Steel)

#### Compatibility

- Burgmann BT-AR
- VULCAN TYPE 18
- AESSEAL B01

#### Working Conditions

- Pumps: Water pumps and household pumps.
- Temperature:  $-20^{\circ}\text{C} \sim 100^{\circ}\text{C}$
- Pressure:  $\leq 0.5\text{MPa}$
- Speed:  $\leq 10\text{ m/Sec}$



Part #	d	D	D1	L1	L2
KY BT-AR-6	6	18	22	4	8.7
KY BT-AR-8	8	18	22	4	8.7
KY BT-AR-8A	8	18	22	4	11.2
KY BT-AR-8B	8	24	26	5.5	11.2
KY BT-AR-8C	8	24	26	8	11.2
KY BT-AR-9	9	24	26	5.5	11.2
KY BT-AR-9A	9	24	26	8	11.2
KY BT-AR-10	10	24	26	5.5	11.2
KY BT-AR-10A	10	24	26	8	11.2
KY BT-AR-11	11	24	26	5.5	11.2
KY BT-AR-11A	11	24	26	8	11.2
KY BT-AR-12	12	24	26	5.5	13.2
KY BT-AR-12A	12	24	26	8	13.2
KY BT-AR-12B	12	32	29.5	8	13.2
KY BT-AR-12C	12	32	38	8	13.2
KY BT-AR-13	13	24	26	5.5	13.2
KY BT-AR-13A	13	24	26	8	13.2
KY BT-AR-14	14	32	29.5	8	13.2
KY BT-AR-14A	14	32	38	8	13.2
KY BT-AR-14B	14	35	29.5	8	13.2
KY BT-AR-14C	14	35	38	8	13.2
KY BT-AR-15	15	32	29.5	8	13.2
KY BT-AR-15A	15	32	38	8	13.2
KY BT-AR-15B	15	35	29.5	8	13.2
KY BT-AR-15C	15	35	38	8	13.2

Part #	d	D	D1	L1	L2
KY BT-AR-16	16	32	29.5	8	13.2
KY BT-AR-16A	16	32	38	8	13.2
KY BT-AR-16B	16	35	29.5	8	13.2
KY BT-AR-16C	16	35	38	8	13.2
KY BT-AR-16D	16	39	42	8	13.2
KY BT-AR-17	17	39	42	8	13.2
KY BT-AR-18	18	39	42	8	13.2
KY BT-AR-19	19	39	42	8	13.2
KY BT-AR-20	20	39	42	8	13.2
KY BT-AR-20A	20	42	45	10	13.2
KY BT-AR-22	22	42	45	10	13.2
KY BT-AR-24	24	47	50	10	14.2
KY BT-AR-25	25	47	50	10	14.2
KY BT-AR-28	28	54	57	10	15.2
KY BT-AR-30	30	54	57	10	15.2
KY BT-AR-32	32	54	57	10	15.2
KY BT-AR-35	35	60	63	10	16.2
KY BT-AR-38	38	65	68	12	18.2
KY BT-AR-40	40	65	68	12	18.2
KY BT-AR-45	45	70	73	12	20.2
KY BT-AR-50	50	85	88	15	23.2
KY BT-AR-55	55	85	88	15	23.2
KY BT-AR-60	60	105	110	15	30.2
KY BT-AR-65	65	105	110	15	30.2
KY BT-AR-70	70	105	110	15	32.2



Elastomer  
Bellow  
Shaft Seals

KY TYPE 6



**Compatibility**

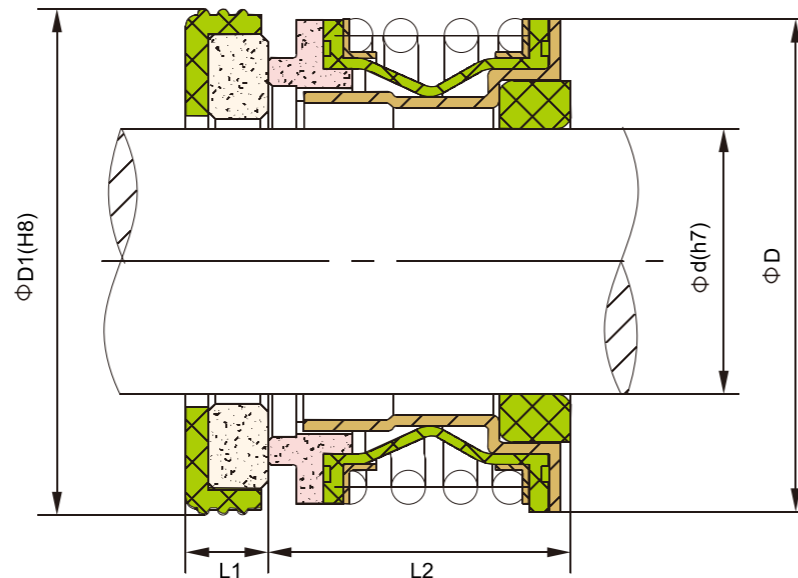
- John Crane TYPE 6
- PAC-SEAL TYPE 16
- US SEAL TYPE A
- SEALOL TYPE 6

**Working Conditions**

- Mediums: Water, oil and weakly-corrosive mediums.
- Temperature: -20°C~200°C
- Pressure: ≤0.5MPa
- Speed: ≤ 12 m/Sec

**Combined Materials**

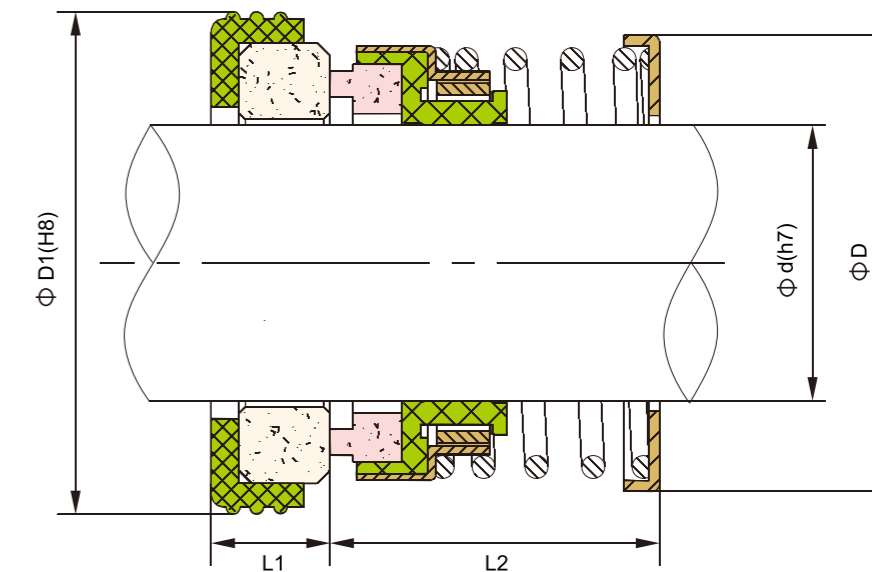
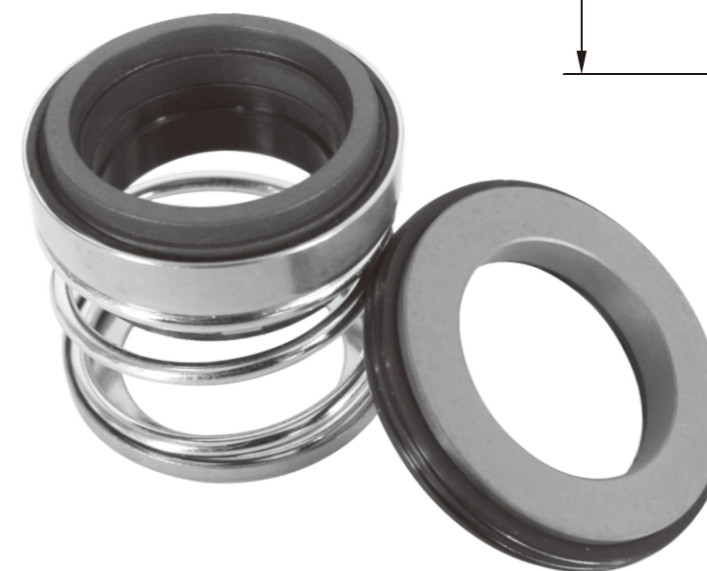
- Stationary Ring (Ceramic/SiC/TC)
- Rotary Ring (Carbon/SiC/TC)
- Secondary Seal (NBR/EPDM/Viton)
- Spring and Punched Parts (Steel)



Part #	d	D	D1	L1	L2
KY TYPE 6-3/8"A	9.53	23.8	22.23	6.35	16.08
KY TYPE 6-3/8"	9.53	26.97	25.4	7.93	16.86
KY TYPE 6-1/2"A	12.7	26.97	25.4	6.35	16.86
KY TYPE 6-1/2"	12.7	26.97	25.4	7.93	16.86
KY TYPE 6-5/8"	15.88	30.94	31.75	10.31	18.44
KY TYPE 6-3/4"	19.05	34.11	34.93	10.31	18.44
KY TYPE 6-7/8"	22.23	42.85	41.28	11.1	20.82
KY TYPE 6-1"	25.4	42.85	41.28	11.1	20.82

Elastomer  
Bellow  
Shaft Seals

KY TYPE 108



Part #	d	D	D1	L1	L2
KY TYPE 108-9	9	20	21	5	15
KY TYPE 108-10	10	20	21	5	15
KY TYPE 108-11	11	22	24	5	15
KY TYPE 108-12	12	22	26	5	15
KY TYPE 108-14	14	24.5	26	5	20
KY TYPE 108-15	15	26.5	27	5	20
KY TYPE 108-16	16	26.5	27	5	20
KY TYPE 108-17	17	32	33	5	20
KY TYPE 108-18	18	32	33	5	20
KY TYPE 108-19	19	34	35	5	20
KY TYPE 108-20	20	34	35	5	20
KY TYPE 108-22	22	36	37	6	22
KY TYPE 108-25	25	39	40	7	25
KY TYPE 108-28	28	42	43	7	28
KY TYPE 108-30	30	44	45	7	28
KY TYPE 108-35	35	49	50	8	29
KY TYPE 108-40	40	56	58	8.5	31.5
KY TYPE 108-45	45	61	63	8.5	31.5
KY TYPE 108-50	50	67	70	8.5	36.5
KY TYPE 108-55	55	72	75	8.5	36.5

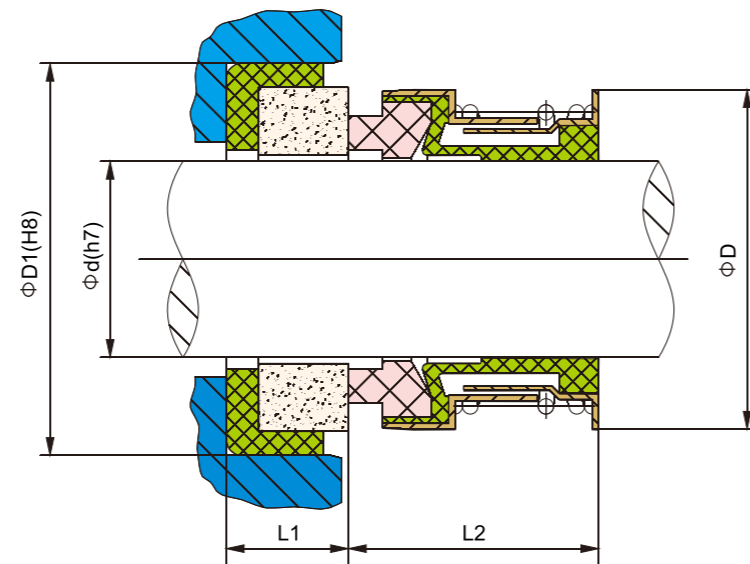
**Combined Materials**

- Stationary Ring (Ceramic/SiC/TC)
- Rotary Ring (Carbon/SiC/TC)
- Secondary Seal (NBR/EPDM/Viton)
- Spring and Punched Parts (Steel)

**Working Conditions**

- Pumps: Centrifugal pumps, pipe pumps, ordinary industrial pumps, etc.
- Temperature: -20°C~110°C
- Pressure: ≤0.8MPa
- Speed: ≤ 10 m/Sec

### KY TYPE 16



Part #	d	D	D1	L1	L2
KY TYPE 16-3/8"A	9.53	23.29	22.23	6.35	16.08
KY TYPE 16-3/8"	9.53	23.29	22.23	7.14	16.86
KY TYPE 16-1/2"A	12.7	23.29	25.4	6.35	16.86
KY TYPE 16-1/2"	12.7	23.29	25.4	7.93	16.86
KY TYPE 16-5/8"	15.88	30.1	31.75	10.3	18.44
KY TYPE 16-3/4"	19.05	33.07	34.93	10.3	18.44
KY TYPE 16-7/8"	22.23	36.3	38.1	10.3	20.82
KY TYPE 16-1"	25.4	39.42	41.28	11.1	20.82

#### Combined Materials

- Stationary Ring (Ceramic/SiC/TC)
- Rotary Ring (Carbon/SiC/TC)
- Secondary Seal (NBR/EPDM/Viton)
- Spring and Punched Part (Steel)

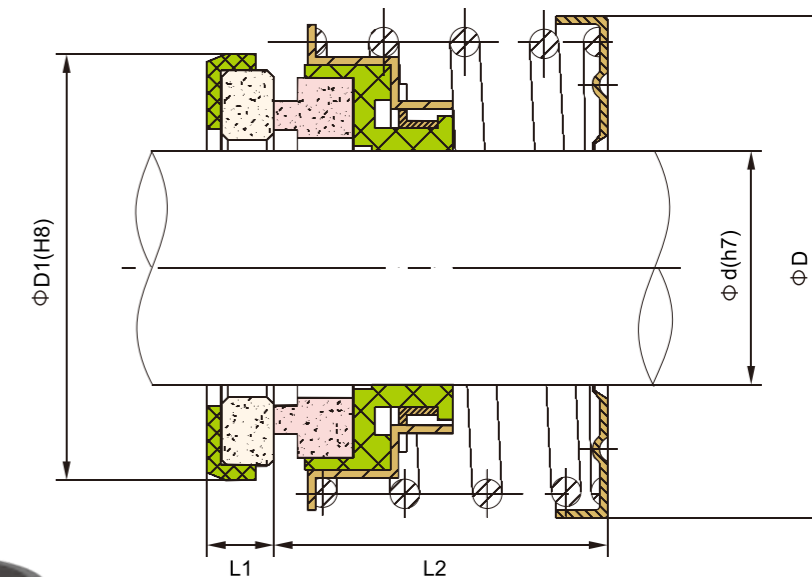
#### Compatibility

- PAC-SEAL TYPE 16
- John Crane TYPE 6
- US SEAL TYPE A
- SEALOL TYPE 6

#### Working Conditions

- Mediums: Water, oil and weakly-corrosive mediums.
- Temperature: -20°C~200°C
- Pressure: ≤0.6MPa
- Speed: ≤ 10 m/Sec

### KY TYPE 70



Part #	d	D	D1	L1	L2
KY TYPE 70-15	15	31.5	29.5	8	18/24
KY TYPE 70-16	16	31.5	29.5	8	18/24
KY TYPE 70-20	20	37	35	5	15
KY TYPE 70-25	25	44.2	40	5.5	16.5
KY TYPE 70-30	30	48.6	45	6	18
KY TYPE 70-35	35	54	50	6.5	19.5
KY TYPE 70-40	40	60.4	58	7.5	20.5

#### Combined Materials

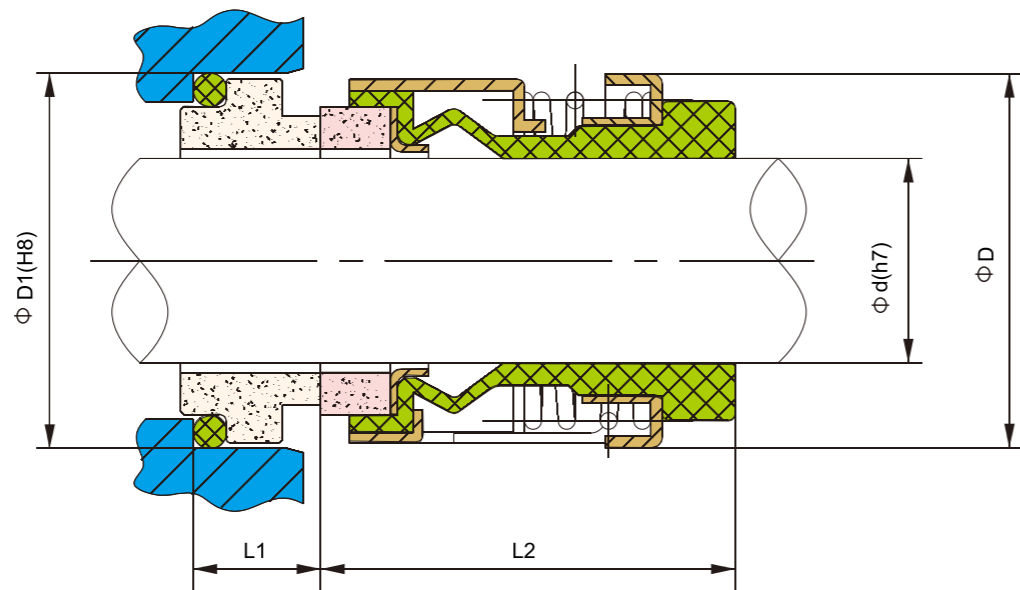
- Stationary Ring (Ceramic/SiC/TC)
- Rotary Ring (Carbon/SiC/TC)
- Secondary Seal (NBR/EPDM/Viton)
- Spring and Punched Parts (Steel)

#### Working Conditions

- Pumps: Submersible pumps and common multi-stage deep well pumps.
- Temperature: -20°C~110°C
- Pressure: ≤0.8MPa
- Speed: ≤ 10 m/Sec

Elastomer  
Bellow  
Shaft Seals

KY TYPE CR



Part #	d	D	D1	L1	L2
KY TYPE CR-12	12	22	23	8	31
KY TYPE CR-16	16	26	27	8	32.5

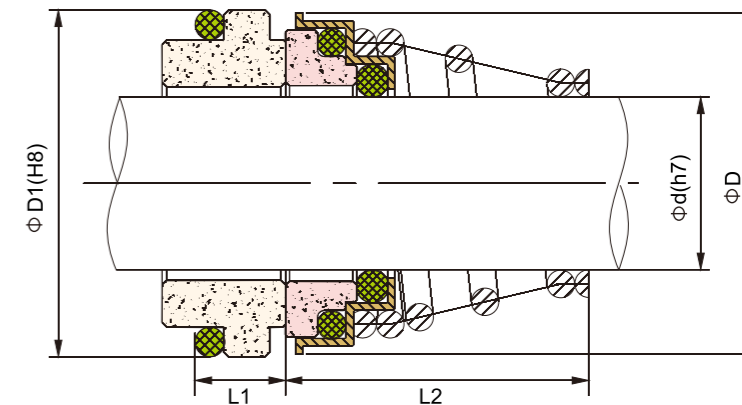
**Combined Materials**

- Stationary Ring (Ceramic/SiC/TC)
- Rotary Ring (Carbon/SiC/TC)
- Secondary Seal (NBR/EPDM/Viton)
- Spring and Punched Parts (Steel)

**Working Conditions**

- Mediums: Water, oil and weakly-corrosive mediums.
- Temperature: -20°C~150°C
- Pressure:  $\leq 1.2\text{MPa}$
- Speed:  $\leq 10\text{ m/Sec}$

O Ring  
Mechanical  
Seals



KY TYPE 155 / KY TYPE 155B

**Compatibility**

- Burgmann BT-FN
- Burgmann BT-FN.NU
- ROTEN TYPE 3
- UNITEN TYPE 3
- AESSEAL T04, AESSEAL T04D

**Combined Materials**

- Stationary Ring (Carbon/SiC/TC)
- Rotary Ring (Ceramic/SiC/TC)
- Secondary Seal (NBR/EPDM/Viton)
- Spring and Punched Parts (Steel)

**Working Conditions**

- Pumps: Water pumps, circulation pumps, etc.
- Temperature: -20°C~200°C
- Pressure:  $\leq 0.8\text{MPa}$
- Speed:  $\leq 10\text{ m/Sec}$

Part #	d	D	D1	L1	L2
KY TYPE 155B-10	10	20	21	7	15.2
KY TYPE 155B-12	12	22	23	7	18.2
KY TYPE 155B-14	14	25	25	7	22.2
KY TYPE 155B-16	16	29	27	7	23.2
KY TYPE 155B-18	18	33	33	10	24.2
KY TYPE 155B-20	20	33	35	10	25.2
KY TYPE 155B-22	22	38	37	10	25.2
KY TYPE 155B-24	24	38	39	10	27.2
KY TYPE 155B-25	25	40	40	10	27.2
KY TYPE 155B-28	28	46	43	10	29.2
KY TYPE 155B-30	30	46	45	10	30.2
KY TYPE 155B-32	32	46	48	10	30.2
KY TYPE 155B-33	33	48	48	10	39.2
KY TYPE 155B-35	35	50	50	10	39.2
KY TYPE 155B-38	38	56	56	13	42.2
KY TYPE 155B-40	40	58	58	13	42.2

Part #	d	D	D1	L1	L2
KY TYPE 155-10	10	20	18.1	5.5	15.2
KY TYPE 155-11	11	22	20.6	5.5	18.2
KY TYPE 155-12	12	22	20.6	5.5	18.2
KY TYPE 155-13	13	25	23.1	6	22.2
KY TYPE 155-14	14	25	23.1	6	22.2
KY TYPE 155-15	15	29	26.9	7	22.2
KY TYPE 155-16	16	29	26.9	7	23.2
KY TYPE 155-17	17	29	26.9	7	23.2
KY TYPE 155-18	18	33	30.9	8	24.2
KY TYPE 155-19	19	33	30.9	8	25.2
KY TYPE 155-20	20	33	30.9	8	25.2
KY TYPE 155-21	21	38	35.4	8	25.2
KY TYPE 155-22	22	38	35.4	8	25.2
KY TYPE 155-23	23	38	35.4	8	27.2
KY TYPE 155-24	24	38	35.4	8	27.2
KY TYPE 155-25	25	40	38.2	8.5	27.2
KY TYPE 155-28	28	46	43.3	9	29.2
KY TYPE 155-29	29	46	43.3	9	30.2
KY TYPE 155-30	30	46	43.3	9	30.2
KY TYPE 155-32	32	46	43.3	9	30.2
KY TYPE 155-33	33	48	53.5	11.5	39.2
KY TYPE 155-35	35	50	53.5	11.5	39.2
KY TYPE 155-38	38	56	60.5	11.5	39.2
KY TYPE 155-40	40	58	60.5	11.5	39.2





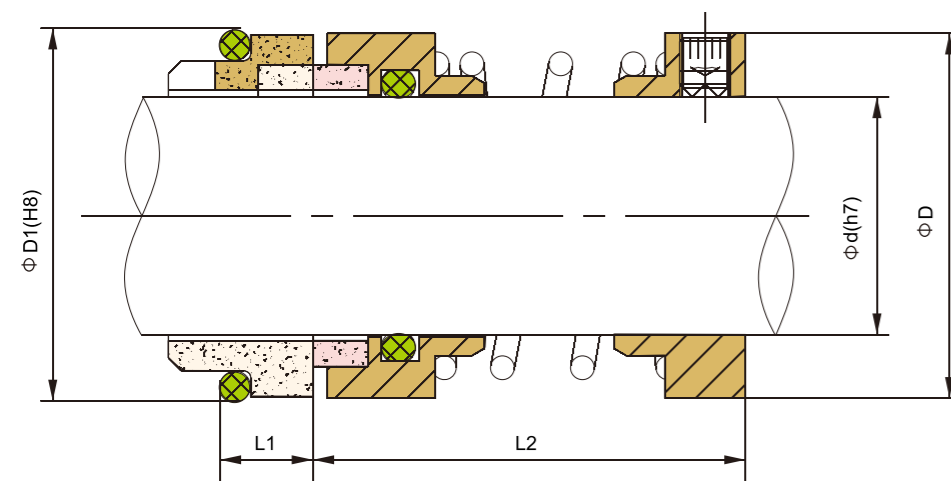
### KY TYPE 1527

#### Working Conditions

- Mediums: Water, oil, acid, alkali, etc.
- Temperature: -20°C~180°C
- Pressure: ≤ 1.0MPa
- Speed: ≤ 10 m/Sec

#### Compatibility

- SEALOL TYPE 1527



#### Combined Materials

- Stationary Ring (Carbon/Ceramic/SiC/TC)
- Rotary Ring (Carbon/SiC/TC)
- Secondary Seal (NBR/EPDM/Viton/Silica Gel)
- Spring and Metal Part (Steel)

Part #	d	D	D1	L1	L2
KY TYPE 1527-18	18	32	33	10	35
KY TYPE 1527-20	20	34	35	10	35
KY TYPE 1527-22	22	36	37	10	35
KY TYPE 1527-24	24	38	39	10	40
KY TYPE 1527-25	25	39	40	10	40
KY TYPE 1527-28	28	42	43	10	40
KY TYPE 1527-30	30	44	45	10	40
KY TYPE 1527-32	32	46	48	10	45
KY TYPE 1527-33	33	47	48	10	45
KY TYPE 1527-35	35	49	50	10	45
KY TYPE 1527-38	38	54	56	11	44
KY TYPE 1527-40	40	56	58	11	44
KY TYPE 1527-43	43	59	61	11	49
KY TYPE 1527-45	45	61	63	11	49
KY TYPE 1527-48	48	64	66	11	49
KY TYPE 1527-50	50	66	70	13	47
KY TYPE 1527-53	53	69	73	13	57
KY TYPE 1527-55	55	71	75	13	57
KY TYPE 1527-58	58	78	78	13	57
KY TYPE 1527-60	60	80	80	13	57
KY TYPE 1527-63	63	83	83	13	57
KY TYPE 1527-65	65	85	85	13	67
KY TYPE 1527-68	68	88	90	15.3	64.7
KY TYPE 1527-70	70	90	92	15.3	64.7
KY TYPE 1527-75	75	99	97	15.3	64.7
KY TYPE 1527-80	80	104	105	15.7	74.3
KY TYPE 1527-85	85	109	110	15.7	74.3
KY TYPE 1527-90	90	114	115	15.7	74.3
KY TYPE 1527-95	95	119	120	15.7	74.3
KY TYPE 1527-100	100	124	125	15.7	74.3

### KY TYPE E41

Part #	d	D	D1	L1	L2
KY TYPE E41-8	8	16	17.1	5.5	15.2
KY TYPE E41-10	10	17.5	18.1	5.5	15.2
KY TYPE E41-12	12	20	20.6	5.5	18.2
KY TYPE E41-14	14	23	23.1	6	22.2
KY TYPE E41-15	15	24	26.9	7	22.2
KY TYPE E41-16	16	26	26.9	7	23.2
KY TYPE E41-17	17	27	26.9	7	23.2
KY TYPE E41-18	18	29	30.9	8	24.2
KY TYPE E41-19	19	30	30.9	8	25.2
KY TYPE E41-20	20	30	30.9	8	25.2
KY TYPE E41-22	22	34	35.4	8	25.2
KY TYPE E41-24	24	35	35.4	8	27.2
KY TYPE E41-25	25	37	38.2	8.5	27.2
KY TYPE E41-26	26	38	38.2	8.5	27.2
KY TYPE E41-28	28	42	43.3	9	29.2
KY TYPE E41-30	30	43	43.3	9	30.2
KY TYPE E41-32	32	45	43.3	9	30.2
KY TYPE E41-33	33	48	53.5	11.5	39.2
KY TYPE E41-35	35	50	53.5	11.5	39.2
KY TYPE E41-38	38	54	60.5	11.5	39.2
KY TYPE E41-40	40	56	60.5	11.5	39.2
KY TYPE E41-42	42	59	60.5	11.5	39.2
KY TYPE E41-43	43	60	60.5	11.5	39.2
KY TYPE E41-45	45	64	65.5	11.5	41.2
KY TYPE E41-48	48	68	65.5	11.5	41.2
KY TYPE E41-50	50	69	72.5	11.5	45.2
KY TYPE E41-55	55	74	72.5	11.5	47.2
KY TYPE E41-60	60	80	79.3	11.5	49.2
KY TYPE E41-65	65	87	84.5	11.5	51.2
KY TYPE E41-70	70	92	89.5	11.5	51.2
KY TYPE E41-75	75	97	94.5	11.5	57.2
KY TYPE E41-80	80	102	99.5	11.5	59.2
KY TYPE E41-85	85	110	105.5	13.5	59.2
KY TYPE E41-90	90	117	111.5	13.5	62.2
KY TYPE E41-95	95	122	116.5	13.5	62.2
KY TYPE E41-100	100	127	119.5	13.5	75.2



#### Combined Materials

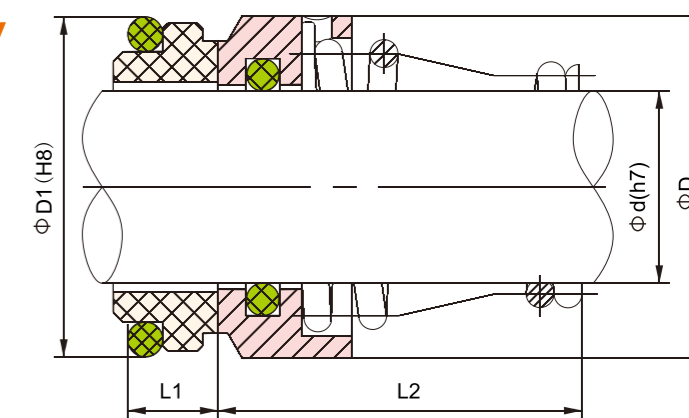
- Stationary Ring (Carbon/SiC/TC)
- Rotary Ring (Steel/SiC/TC)
- Secondary Seal (NBR/EPDM/Viton/Silica Gel)
- Spring and Metal Part (Steel)

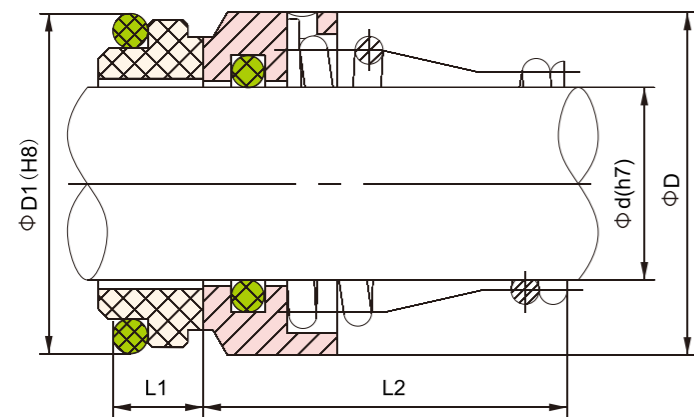
#### Working Conditions

- Mediums: Water, oil, weak acid, weak alkali, etc.
- Temperature: -30°C~200°C
- Pressure: ≤ 1MPa
- Speed: ≤ 10m/Sec

#### Compatibility

- Burgmann BT-RN
- AESSEAL T03
- ROTEN TYPE 2
- VULCAN TYPE 12





#### Combined Materials

- Stationary Ring (Carbon/SiC/TC)
- Rotary Ring (Steel/SiC/TC)
- Secondary Seal (NBR/EPDM/Viton/Silica Gel)
- Spring and Metal Part (Steel)

#### Compatibility

- Burgmann BT-RN.NU
- AESSEAL T03D
- UNITEN TYPE 2

#### Working Conditions

- Mediums: Water, oil, weak acid, weak alkali, etc.
- Temperature:  $-30^{\circ}\text{C} \sim 200^{\circ}\text{C}$
- Pressure:  $\leq 1.2\text{MPa}$
- Speed:  $\leq 10\text{m/Sec}$



### KY TYPE E41U2

Part #	d	D	D1	L1	L2
KY TYPE E41U2-10	10	17.5	21	7	15.2
KY TYPE E41U2-12	12	20	23	7	18.2
KY TYPE E41U2-14	14	23	25	7	22.2
KY TYPE E41U2-16	16	26	27	7	23.2
KY TYPE E41U2-18	18	29	33	10	24.2
KY TYPE E41U2-20	20	29	35	10	25.2
KY TYPE E41U2-22	22	34	37	10	25.2
KY TYPE E41U2-24	24	34	39	10	27.2
KY TYPE E41U2-25	25	37	40	10	27.2
KY TYPE E41U2-28	28	42	43	10	29.2
KY TYPE E41U2-30	30	43	45	10	30.2
KY TYPE E41U2-32	32	45	48	10	30.2
KY TYPE E41U2-33	33	48	48	10	39.2
KY TYPE E41U2-35	35	49	50	10	39.2
KY TYPE E41U2-38	38	54	56	13	42.2
KY TYPE E41U2-40	40	56	58	13	42.2
KY TYPE E41U2-43	43	60	61	13	47.2
KY TYPE E41U2-45	45	64	63	13	47.2
KY TYPE E41U2-48	48	68	66	13	47.2
KY TYPE E41U2-50	50	69	70	14	46.2
KY TYPE E41U2-53	53	71	73	14	56.2
KY TYPE E41U2-55	55	74	75	14	56.2
KY TYPE E41U2-58	58	76	78	14	56.2
KY TYPE E41U2-60	60	79	80	14	56.2
KY TYPE E41U2-63	63	83	83	14	56.2
KY TYPE E41U2-65	65	87	85	14	66.2
KY TYPE E41U2-68	68	88	90	16	64.2
KY TYPE E41U2-70	70	92	92	16	64.2
KY TYPE E41U2-75	75	97	97	16	64.2
KY TYPE E41U2-80	80	102	105	18	72.2
KY TYPE E41U2-85	85	110	110	18	72.2
KY TYPE E41U2-90	90	117	115	18	72.2
KY TYPE E41U2-95	95	122	120	18	72.2
KY TYPE E41U2-100	100	127	125	18	72.2

### KY TYPE E42

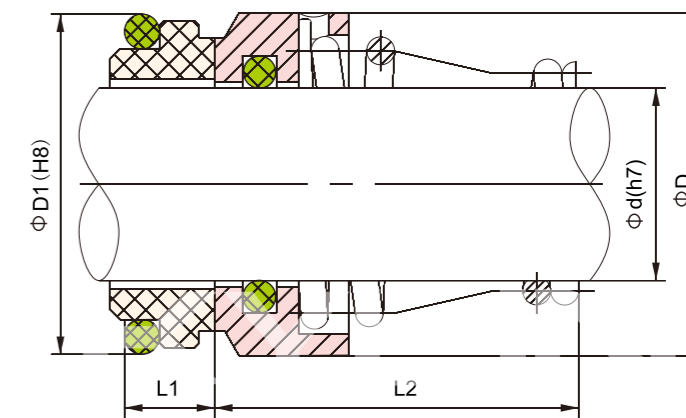
#### Combined Materials

- Stationary Ring (Carbon/SiC/TC)
- Rotary Ring (Steel/SiC/TC)
- Secondary Seal (NBR/EPDM/Viton/Silica Gel)
- Spring and Metal Part (Steel)

#### Working Conditions

- Mediums: Water, oil, weak acid, weak alkali, etc.
- Temperature:  $-30^{\circ}\text{C} \sim 200^{\circ}\text{C}$
- Pressure:  $\leq 1\text{MPa}$
- Speed:  $\leq 10\text{m/Sec}$

Part #	d	D	D1	L1	L2
KY TYPE E42-10	10	19	19.2	7.1	15.7
KY TYPE E42-12	12	20	21.6	7.6	15.7
KY TYPE E42-14	14	23	24.6	7.6	15.7
KY TYPE E42-15	15	24	24.6	8.6	15.7
KY TYPE E42-16	16	26	28	9	17.7
KY TYPE E42-18	18	29	30	10	18.7
KY TYPE E42-19	19	31	31	9	20.2
KY TYPE E42-20	20	31	35	9.5	20.2
KY TYPE E42-22	22	33	35	9.5	21.7
KY TYPE E42-24	24	35	38	9.5	23.2
KY TYPE E42-25	25	36	38	9.5	24.7
KY TYPE E42-26	26	36	40	10	24.7
KY TYPE E42-28	28	40	42	11	24.7
KY TYPE E42-30	30	43	45	11	24.7
KY TYPE E42-32	32	46	48	11	28.2
KY TYPE E42-35	35	49	52	11.5	28.2
KY TYPE E42-38	38	53	55	11.5	31.2
KY TYPE E42-40	40	56	58	11.5	34.2
KY TYPE E42-42	42	59	62	14.3	35.2
KY TYPE E42-43	43	59	63	14.3	35.2
KY TYPE E42-45	45	61	64	14.3	36.7
KY TYPE E42-48	48	64	68.4	14.3	42.2
KY TYPE E42-50	50	66	69.3	14.3	43.2
KY TYPE E42-55	55	71	75.4	15.3	47.2
KY TYPE E42-58	58	76	78.4	15.3	50.2
KY TYPE E42-60	60	78	80.4	15.3	51.2
KY TYPE E42-65	65	84	85.4	15.3	52.2
KY TYPE E42-68	68	87	91.5	16	53.2
KY TYPE E42-70	70	90	92	15.3	54.2
KY TYPE E42-75	75	98	99	15.3	55.2
KY TYPE E42-80	80	100	104	16.3	58.2



## O Ring Mechanical Seals



### KY M7N / KY M7F

#### Compatibility

- Burgmann M7N / M7F

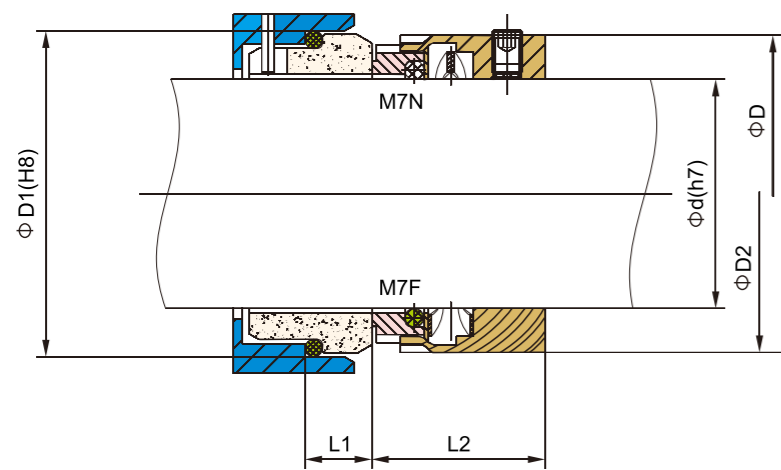
Part #	d	D	D1	D2	L1	L2
KY M7N M7F-14	14	25	25	33	10	25.2
KY M7N M7F-16	16	27	27	35	10	25.2
KY M7N M7F-18	18	33	33	37	11.5	26.2
KY M7N M7F-20	20	35	35	39	11.5	26.2
KY M7N M7F-22	22	37	37	41	11.5	26.2
KY M7N M7F-24	24	39	39	43	11.5	28.7
KY M7N M7F-25	25	40	40	44	11.5	28.7
KY M7N M7F-28	28	43	43	46	11.5	31.2
KY M7N M7F-30	30	45	45	48	11.5	31.2
KY M7N M7F-32	32	47	48	50	11.5	31.2
KY M7N M7F-33	33	48	48	50	11.5	31.2
KY M7N M7F-35	35	50	50	53	11.5	31.2
KY M7N M7F-38	38	55	56	58	14	31.2
KY M7N M7F-40	40	57	58	60	14	31.2
KY M7N M7F-43	43	60	61	64	14	31.2
KY M7N M7F-45	45	62	63	65	14	31.2
KY M7N M7F-48	48	65	66	68	14	31.2
KY M7N M7F-50	50	67	70	70	15	32.7
KY M7N M7F-53	53	70	73	74	15	32.7
KY M7N M7F-55	55	72	75	75	15	32.7
KY M7N M7F-58	58	79	78	82	15	37.7
KY M7N M7F-60	60	81	80	84	15	37.7
KY M7N M7F-63	63	84	83	87	15	37.7
KY M7N M7F-65	65	86	85	94	15	37.7
KY M7N M7F-68	68	89	90	92	18	34.7
KY M7N M7F-70	70	91	92	94	18	42.2
KY M7N M7F-75	75	99	97	104	18	42.2
KY M7N M7F-80	80	104	105	108	18.2	42
KY M7N M7F-85	85	109	110	113	18.2	42
KY M7N M7F-90	90	114	115	118	18.2	47
KY M7N M7F-95	95	119	120	123	17.2	48
KY M7N M7F-100	100	124	125	128	17.2	48

#### Working Conditions

- Mediums: Water, oil, acid, alkali, etc.
- Temperature: -30°C~200°C
- Pressure: ≤ 1.2MPa
- Speed: ≤ 18m/Sec

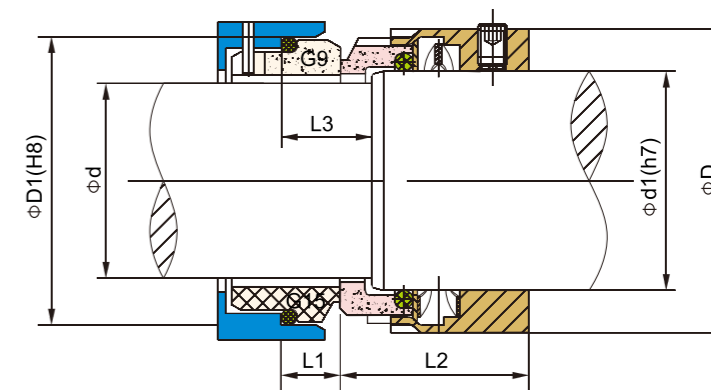
#### Combined Materials

- Stationary Ring (Carbon/SiC/TC)
- Rotary Ring (Carbon/Steel/SiC/TC)
- Secondary Seal (NBR/EPDM/Viton)
- Spring and Metal Part (Steel)



### KY H7N

Part #	d	d1	D	D1	L1	L2	L3
KY H7N-14	14	18	33	25	10	32.7	18
KY H7N-16	16	20	35	27	10	32.7	18
KY H7N-18	18	22	37	33	11.5	33.7	20
KY H7N-20	20	24	39	35	11.5	33.7	20
KY H7N-22	22	26	41	37	11.5	33.7	20
KY H7N-24	24	28	43	39	11.5	36.2	20
KY H7N-25	25	30	45	40	11.5	36.2	20
KY H7N-28	28	33	48	43	11.5	38.7	20
KY H7N-30	30	35	50	45	11.5	38.7	20
KY H7N-32	32	38	55	48	11.5	38.7	20
KY H7N-33	33	38	55	48	11.5	38.7	20
KY H7N-35	35	40	57	50	11.5	38.7	20
KY H7N-38	38	43	60	56	14	38.7	23
KY H7N-40	40	45	62	58	14	38.7	23
KY H7N-43	43	48	65	61	14	38.7	23
KY H7N-45	45	50	67	63	14	38.7	23
KY H7N-48	48	53	70	66	14	38.7	23
KY H7N-50	50	55	72	70	15	42.7	25
KY H7N-53	53	58	79	73	15	42.7	25
KY H7N-55	55	60	81	75	15	42.7	25
KY H7N-58	58	63	84	78	15	47.7	25
KY H7N-60	60	65	86	80	15	47.7	25
KY H7N-63	63	68	89	83	15	47.7	25
KY H7N-65	65	70	91	85	15	47.7	25
KY H7N-70	70	75	99	92	18	52.2	28
KY H7N-75	75	80	104	97	18	52.2	28
KY H7N-80	80	85	109	105	18.2	52	28
KY H7N-85	85	90	114	110	18.2	57	28
KY H7N-90	90	95	119	115	18.2	57	28
KY H7N-95	95	100	124	120	17.2	58	28



#### Compatibility

- Burgmann H7N

#### Combined Materials

- Stationary Ring (Ceramic/SiC/TC)
- Rotary Ring (Carbon/SiC/TC)
- Secondary Seal (NBR/EPDM/Viton)
- Spring and Metal Part (Steel)

#### Working Conditions

- Mediums: Water, oil, acid, alkali with low corrosion, etc.
- Temperature: -20°C~200°C
- Pressure: ≤ 2.5MPa
- Speed: ≤ 18m/Sec