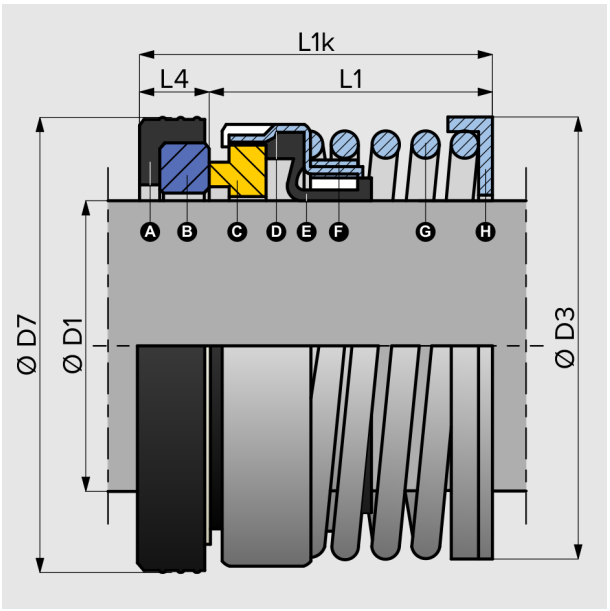
H21DIN

'TYPE 21 DIN'
SPECIFICATION SHEET





- **Diaphragm w/ Drive Band**
- **To DIN EN 12756 Standards**
- **General Purpose**
- **Bi-directional**

H21DIN is a DIN EN 12756 compliant mechanical seal for metric shafts, based on the industry standard "Type 21" design. It is widely used for its low cost / high efficiency ratio.

A rubber diaphragm is secured to the shaft with a drive band, which serves as both a secondary seal and positive torque transmission.

Mechanical compression on the spring-cap is typically delivered by a shoulder in the shaft / sleeve, threaded impeller or setting collar (available separately)

- **Operating conditions**[1]

Temperature:	-30°C to +200°C
Pressure:	< 10 bar, 145 psi, 1 MPa
Speed:	< 13m/s, 2500 fpm
	rpm < 780000/(3.14 x D1)

- **Material Options**

Rotary Face:	CAB, SiC or TC
Stationary Face:	CER, SiC or TC
Elastomer:	N, V or EP
Metal Parts:	304S.S.

PARTS

A Stationary Cup
B Stationary Face / Ring
C Rotary Face / Ring
D Rotary Retainer
E Rotary Diaphragm
F Rotary Drive Band
G Spring
H Spring Cap

SEAT OPTIONS

DCM	standard
BO	o-ring, no slot
BP	o-ring with slot

EQUIVALENT

T521
043-E
43 DIN
P03
Type 24
MG912/d_1-G60
52
240 / P240
RB824

DIMENSIONS

D1 = Shaft Size
L1 = Rotary W.L.
D7 = Seat Cavity
L4 = Seat Height
D3 = Rotary OD
L1k = DIN L1k norm.

D1	D3	D7	L4	L1	L1k
10mm	20.8	21.0	8.7	23.8	32.5
12mm	22.8	23.0	8.7	23.8	32.5
14mm	26.3	25.0	8.7	26.3	35.0
16mm	26.5	27.0	10.3	24.7	35.0
18mm	30.5	33.0	10.3	27.2	37.5
20mm	34.0	35.0	10.3	27.2	37.5
22mm	34.0	37.0	10.3	27.2	37.5
24mm	40.0	39.0	11.0	29.0	40.0
25mm	40.0	40.0	11.0	29.0	40.0
28mm	44.5	43.0	11.0	31.5	42.5
30mm	46.5	45.0	11.0	31.5	42.5
32mm	46.5	48.0	11.0	31.5	42.5
33mm	50.5	48.0	11.0	31.5	42.5
35mm	51.5	50.0	11.0	31.5	42.5
38mm	54.0	56.0	11.0	34.0	45.0
40mm	58.0	58.0	12.7	32.3	45.0
43mm	61.5	61.0	12.7	32.3	45.0
44mm*	61.5	63.5	12.7	32.3	45.0
45mm	61.5	63.0	12.7	32.3	45.0
48mm	65.5	66.0	12.7	32.3	45.0
50mm	70.5	70.0	12.7	34.8	47.5
53mm	75.0	73.0	14.2	33.3	47.5
55mm[T]	71.65	75.0	13.0	34.5	47.5
58mm	79.0	78.0	14.2	38.3	52.5
60mm	82.0	80.0	14.2	38.3	52.5
63mm	85.0	83.0	14.2	38.3	52.5
65mm	85.0	85.0	16.0	36.5	52.5
68mm	91.5	90.0	16.0	36.5	52.5
70mm	91.5	92.0	16.0	44.0	60.0
75mm	99.0	97.0	16.0	44.0	60.0
80mm	105.0	105.0	12.0	48.0	60.0
85mm	110.0	110.0	14.0	46.0	60.0
90mm	115.0	115.0	14.0	51.0	65.0
95mm	121.0	120.0	14.0	51.0	65.0
100mm	128.0	125.0	14.0	51.0	65.0

* non-DIN EN 12756 size
T refer to H21T

[1] Guide-values only (due to diversity of possible applications). Enquire for specific-use cases. Maximum values of each parameter cannot be applied together.

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