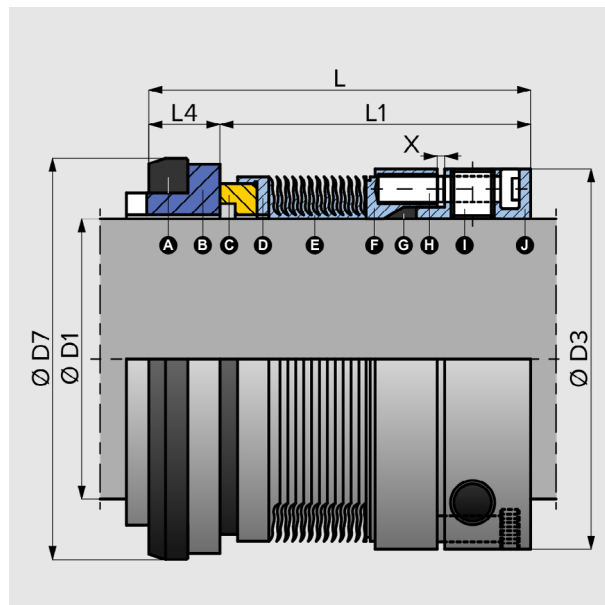
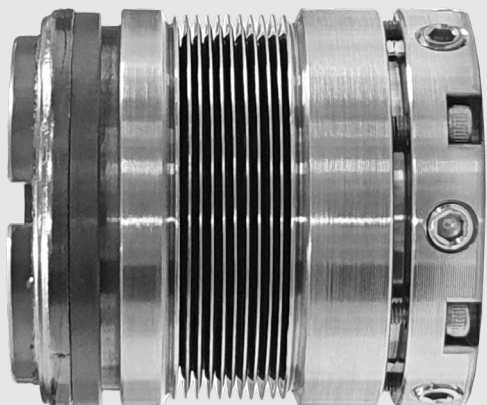


H609

'TYPE 609'

SPECIFICATION SHEET



- **Metal Bellows - High Temp.**
- **Alloy 42 Low Expansion Holder**
- **Imperial Sizes**
- **Elastomer-Free**

H609 is an edge-welded metal bellows mechanical seal designed to provide resistance to extremely high temperatures e.g. applications involving hot oil transfer. It features a narrow cross-section for better adaptability to suit traditionally narrower seal chambers.

► Operating conditions¹

Temperature: up to +400°C
 Pressure: < 25 bar, 360 psi, 2.5 MPa
 Speed: < 25m/s, 5000 fpm
 rpm < 1500000/(79.8 x D1 inch)

► Material Options

Rotary Face: A1, SiC or TC
 Rotary Face Holder: Alloy 42*
 Metal Bellows: AM350^
 Secondary Seals: Flexible Graphite~
 Shell: 316S.S.

PARTS

- A Stationary Flex. Graphite
- B Stationary Face / Ring
- C Rotary Face / Ring
- D Rotary Face Holder
- E Rotary Metal Bellows
- F Rotary Shell
- G Rotary Flex. Graphite
- H Rotary Socket Cap Screw
- I Rotary Set Screws
- J Rotary Drive Collar

SEAT

- A standard, flex. graphite

EQUIVALENT

T609
 Style 60 / 65
 886HT
 MFLWT8
 BSAIG

DIMENSIONS

D1 = Shaft Size
 L4 = Seat Height

D3 = Rotary OD
 L1 = Rotary W.L.

D7 = Seat Cavity
 L = Overall W.L.

► "X" = 1.27mm

D1	D3	D7		L4	L1	L
1.000"	39.7	1.625"	41.28	6.6	38.9	45.5
1.125"	42.9	1.750"	44.45	6.6	39.7	46.3
1.250"	46.0	1.875"	47.63	6.6	40.5	47.1
1.375"	49.2	2.000"	50.80	6.6	40.5	47.1
1.500"	55.1	2.125"	53.98	6.6	40.5	47.1
1.625"	58.3	2.375"	60.33	8.0	40.5	48.5
1.750"	61.5	2.500"	63.50	8.0	41.3	49.3
1.875"	64.6	2.625"	66.68	8.0	41.3	49.3
2.000"	67.8	2.750"	69.85	8.0	42.1	50.1
2.125"	71.0	3.000"	76.20	8.8	42.1	50.9
2.250"	74.2	3.125"	79.38	8.8	43.7	52.5
2.375"	77.3	3.250"	82.55	8.8	43.7	52.5
2.500"	81.0	3.375"	85.73	8.8	44.5	53.3
2.625"	84.1	3.375"	85.73	9.6	45.2	54.8
2.750"	87.3	3.500"	88.90	9.6	45.2	54.8
2.875"	92.1	3.750"	95.25	11.4	47.6	59.0
3.000"	95.3	3.875"	98.43	11.4	47.6	59.0

* is an iron-nickel alloy designed for low expansion under high temperatures. Trade name: Carpenter® 42

^ is precipitation hardenable stainless steel developed for high strength, excellent weldability along with corrosion resistance.

~ a type of single-use packing which is compressed upon installation. Trade name: Grafoil®

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