

STEVCO



SEALS



MECHANICAL SEAL SOLUTIONS

TYPE 9-6 & 9-8

(Similar to Crane type 59B & 58B)

DESIGN FEATURES & BENEFITS

Compact Designs

Comply with European Standards DIN 24960/L1(K), Iso 3069 and BS 5257:1975. Also comply with the API 610 specification.

Material Options

Choice of standard materials with further options ensures best possible seal operational performance for a wide range of liquids and liquid temperatures.

Versatile Construction

Type 9-6 & 9-8 seals are hydraulically balanced giving low face loading at high pressures.

Multiple Spring Arrangement

Ensures even loading of seal face and compensates for acceptable shaft misalignment.

Adaptability to Duty

The Type 9-6 & 9-8 seal is a versatile design using components common to other 'O'-ring and wedge type seals. Allows easy repair, reduced spares holding, and simple conversion to an unbalanced seal.

MATERIAL OPTIONS

Faces:

Rotary- Carbon and Silicon Carbide

Stationary- Ceramic, Silicon Carbide and Tungsten Carbide

Hardware:

316 S/S, Hast C and Monel

Springs:

316 S/S, Monel and Hast C

SEAL APPLICATIONS

General and high pressure sealing duties, including processing, refinery and petrochemical plants. Oils, solvents, refrigerants, water and food.

Alternative seats and materials allow the selection of all components to suit the particular installation, product and operating conditions of each application.

All components are held together by a snap ring in a unitised construction design which eases installation and removal.

OPERATING CONDITIONS

•Pressures:

Type 9-6 & 9-8: To 900psig (62 bar)
6200kPa

•Temperatures:

-40° C to +230° C

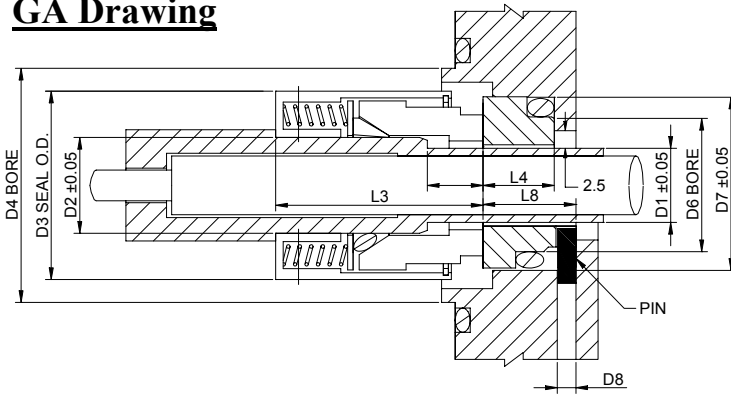
(See reverse page for Elastomer Graph)

•Speed:

5000 RPM maximum

STEVCO 9-6 & 9-8 SPECIFICATIONS

GA Drawing

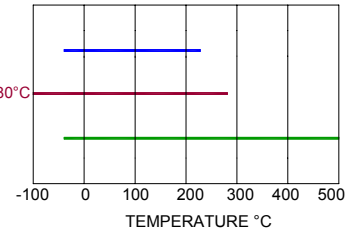


SECONDARY SEAL TEMPERATURE LIMITS

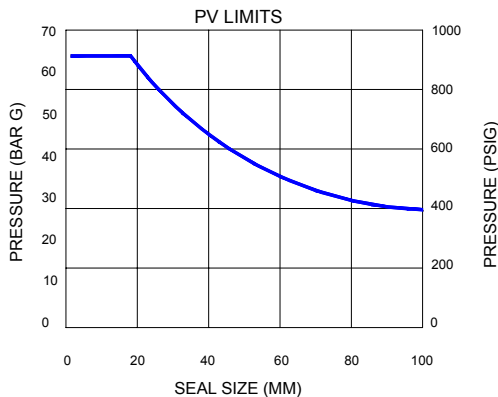
PURE PTFE -40°C - 230°C

GLASS FILLED PTFE -100°C - 280°C

GRAFOIL -40°C - 230°C



SEAL SIZE	D1	D2	D3	D4	D6	D7	D8	L1(K)	L2	L3	L4	L8
0140	14	18	32	34	21	25	3	42.5	18	30.5	12.0	18.5
0160	16	20	34	36	23	27	3	42.5	18	30.5	12.0	18.5
0180	18	22	36	38	27	33	3	45.0	20	31.5	13.5	20.5
0200	20	24	38	40	29	35	3	45.0	20	31.5	13.5	20.5
0220	22	26	40	42	31	37	3	45.0	20	31.5	13.5	20.5
0240	24	28	42	44	33	39	3	47.5	20	34.2	13.3	20.3
0250	25	30	44	46	34	40	3	47.5	20	34.5	13.0	20.0
0280	28	33	47	49	37	43	3	50.0	20	37.5	12.5	19.5
0300	30	35	49	51	39	45	3	50.0	20	38.0	12.0	19.0
0320	32	38	54	58	42	48	3	50.0	20	38.0	12.0	19.0
0330	33	38	54	58	42	48	3	50.0	20	38.0	12.0	19.0
0350	35	40	56	60	44	50	3	50.0	20	38.0	12.0	19.0
0380	38	43	59	63	49	56	4	52.5	23	39.5	13.0	20.0
0400	40	45	61	65	51	58	4	52.5	23	39.5	13.0	20.0
0430	43	48	64	68	54	61	4	52.5	23	39.5	13.0	20.0
0450	45	50	66	70	56	63	4	52.5	23	39.5	13.0	20.0
0480	48	53	69	73	59	66	4	52.5	23	39.5	13.0	20.0
0500	50	55	71	75	62	70	4	57.5	25	44.0	13.5	20.5
0530	53	58	78	83	65	73	4	57.5	25	44.0	13.5	20.5
0550	55	60	80	85	67	75	4	57.5	25	44.0	13.5	20.5
0580	58	63	83	88	70	78	4	62.5	25	49.0	13.5	20.5
0600	60	65	85	90	72	80	4	62.5	25	49.0	13.5	20.5
0630	63	68	88	93	75	83	4	62.5	25	49.0	13.5	20.5
0650	65	70	90	95	77	85	4	62.5	25	49.0	13.5	20.5
0700	70	75	95	104	83	92	4	70.0	28	55.5	14.5	21.5
0750	75	80	104	109	88	97	4	70.0	28	55.5	14.5	21.5
0800	80	85	109	114	95	105	4	70.0	28	55.0	15.0	22.0
0850	85	90	114	119	100	110	4	75.0	28	60.0	15.0	22.0
0900	90	95	119	124	105	115	4	75.0	28	60.0	15.0	22.0
0950	95	100	124	129	110	120	4	75.0	28	60.0	15.0	22.0
1000	100	105	129	134	115	125	4	75.0	28	60.0	15.0	22.0



TYPE 9-6 & 9-8
 CARBON vs SILICON
 CARBIDE OR TUNGSTEN
 CARBIDE AT 1450 TO 1740
 RPM



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