

STEVCO



SEALS

MECHANICAL SEAL SOLUTIONS



TYPE 9-5 & 9-7

(Similar to Crane type 59U & 58U)

DESIGN FEATURES & BENEFITS

Compact Designs

Comply with European Standards DIN 24960, Iso 3069 and BS 5257:1975. Also comply with the API 610 specification for the petrochemical industry.

Versatile Construction

O-Ring, PTFE or flexible graphite wedge used as secondary seal.

Type 9-5 & 9-7 - An unbalanced seal with the advantage of being a very short unit fitted to a straight through shaft.

Even Face Pressure

The multi-spring design ensures even face pressure for minimal face wear and compensation for some shaft misalignment.

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 chemical applications, oil refining, petrochemical and pharmaceutical industries.

Suitable for use with corrosive fluids and for cryogenic and high temperature applications.

By choosing suitable component materials, the seals can be adapted to operate with a wide range of liquids and operating conditions.

OPERATING CONDITIONS

•Pressures:

Type 9-5 & 9-7: To 247psig (17 bar)
1700kPa

•Temperatures:

-50° C to +260° C

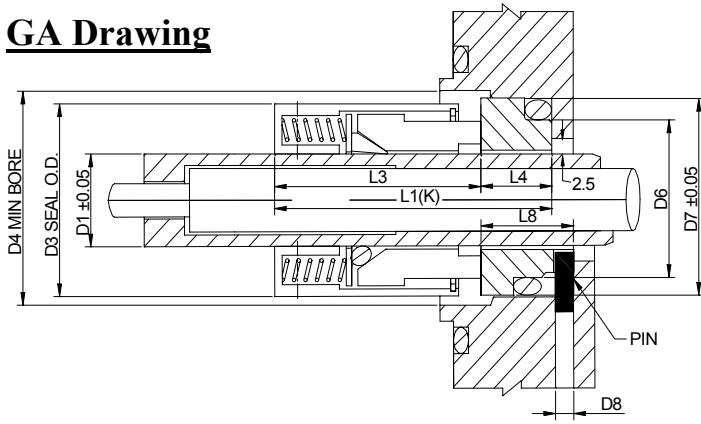
(See reverse page for Secondary Seal Graph)

•Speed:

Up to 5000 RPM

STEVCO 9-5 & 9-7 SPECIFICATIONS

GA Drawing

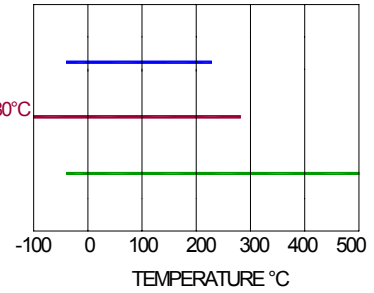


SECONDARY SEAL TEMPERATURE LIMITS

PURE PTFE -40°C - 230°C

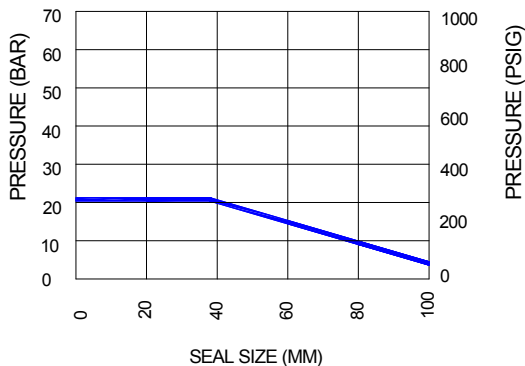
GLASS FILLED PTFE -100°C - 280°C

GRAFOIL -40°C - 230°C



SEAL SIZE (MM)	D1	D3	D4	D6	D7	D8	L1(K)	L3	L4	L8
0140	14	24	26	21	25	3	35.0	23.0	12.0	18.5
0160	16	26	28	23	27	3	35.0	23.0	12.0	18.5
0180	18	32	34	27	33	3	37.5	24.0	13.5	20.5
0200	20	34	36	29	35	3	37.5	24.0	13.5	20.5
0220	22	36	38	31	37	3	37.5	24.0	13.5	20.5
0240	24	38	40	33	39	3	40.0	26.7	13.3	20.3
0250	25	39	41	34	40	3	40.0	27.0	13.0	20.0
0280	28	42	44	37	43	3	42.5	30.0	12.5	19.5
0300	30	44	46	39	45	3	42.5	30.5	12.0	19.0
0320	32	46	48	42	48	3	42.5	30.5	12.0	19.0
0330	33	47	49	42	48	3	42.5	30.5	12.0	19.0
0350	35	49	51	44	50	3	42.5	30.5	12.0	19.0
0380	38	54	58	49	56	4	45.0	32.0	13.0	20.0
0400	40	56	60	51	58	4	45.0	32.0	13.0	20.0
0430	43	59	63	54	61	4	45.0	32.0	13.0	20.0
0450	45	61	65	56	63	4	45.0	32.0	13.0	20.0
0480	48	64	68	59	66	4	45.0	32.0	13.0	20.0
0500	50	66	70	62	70	4	47.5	34.0	13.5	20.5
0530	53	69	73	65	73	4	47.5	34.0	13.5	20.5
0550	55	71	75	67	75	4	47.5	34.0	13.5	20.5
0580	58	78	83	70	78	4	52.5	39.0	13.5	20.5
0600	60	80	85	72	80	4	52.5	39.0	13.5	20.5
0630	63	83	88	75	83	4	52.5	39.0	13.5	20.5
0650	65	85	90	77	85	4	52.5	39.0	13.5	20.5
0680	68	88	93	81	90	4	52.5	39.0	13.5	20.5
0700	70	90	95	83	92	4	60.0	45.5	14.5	21.5
0750	75	95	104	88	97	4	60.0	45.5	14.5	21.5
0800	80	104	109	95	105	4	60.0	45.0	15.0	22.0
0850	85	109	114	100	110	4	60.0	45.0	15.0	22.0
0900	90	114	119	105	115	4	65.0	50.0	15.0	22.0
0950	95	119	124	110	120	4	65.0	50.0	15.0	22.0
1000	100	124	129	115	125	4	65.0	50.0	15.0	22.0

PV LIMITS



TYPE 9-5 & 9-7 CARBON VS SILICON CARBIDE OR TUNGSTEN CARBIDE AT 1450 RPM TO 1740 RPM



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