Australian Standard Compliance & Acoustic Data

DSA Class 47 STC- Rw Acoustic Systems Component

- **DS20-24** head and jamb seal
- **DRS1530** automatic door bottom seal
- **DS44** perimeter seal
- **S9168** perimeter seal

- Standard silver anodised aluminium finish
- Seal material, TPE thermoplastic, (black or white)

All the above seals systems have been tested in accordance with:

#BCA F & BCA 2.2.2, #BCA. J2.4, #AS. 4420. 4.&.5, #BCA. 2.6.1, #AS. 2047. AS. 12. 88, #AS. 1939, #IEC (529), #AS. 1530.7 and FSE 004, #BCA. F. 5, #BCA. P. 2. 4.6, #AS. 1191, #(ISO 140. 3), #AS. 1276, #AS. 2253 #ADM 0298. 01 #BCA. D. 3, 8. C. 2. 5, #BCA – C.3.4. C. 3.6. D.2 6, #BCA P2.3.4, #BCA. A.2.3 A2.4.C. 3.5, #AS 1503. 4, #AS./ NZ. 1905. I, #AS.1530.7, #AS 1735. 11, #BCA. G. 4. 5, #BCA. D.P.2, #BCA. D.3, #AS1428, #AS. 1735. 12.

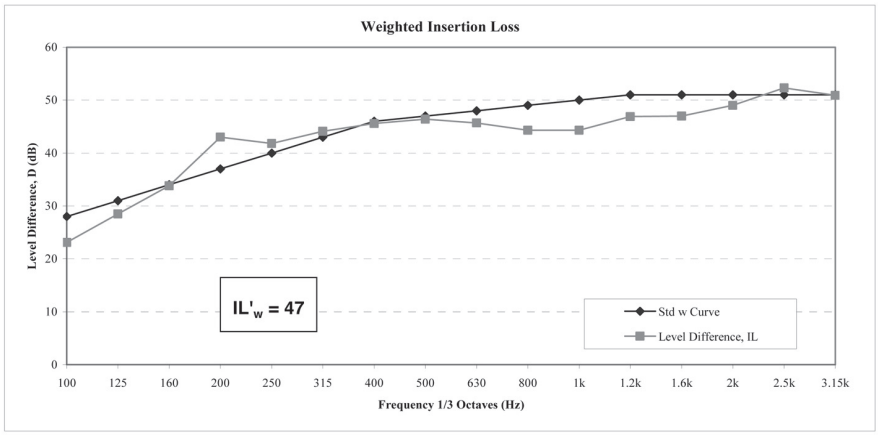
Door Type	Acoustic Door - 70mm	70mm
	STC	**Rw**
No Seals	20	21
Fully Caulked	52	52
High Performance Acoustic Door Systems	**47**	**47**

Weighted Insertion Loss

	C	C_{tr}
IL'_W Rating = 47	-2	-7

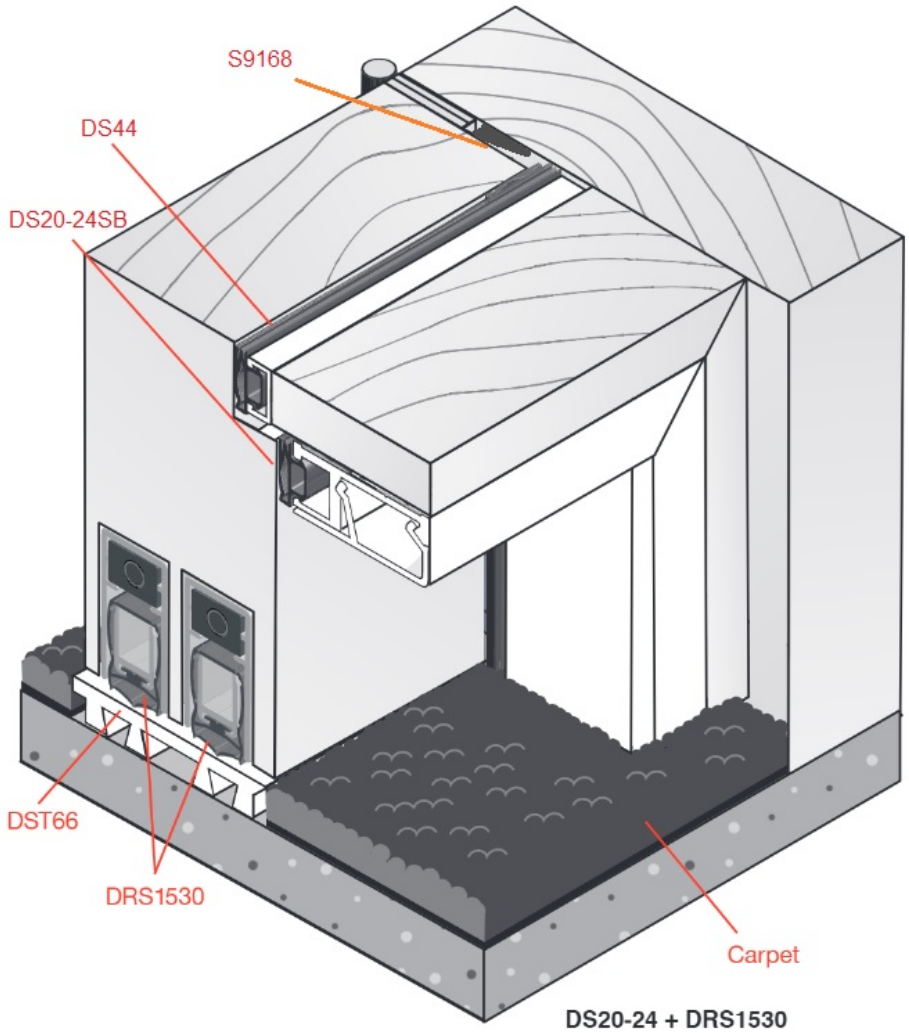
	100	125	160	200	250	315	400	500	630	800	1k	1.2k	1.6k	2k	2.5k	3.15k
C	-29	-26	-23	-21	-19	-17	-15	-13	-12	-11	-10	-9	-9	-9	-9	-9
C_{tr}	-20	-20	-18	-16	-15	-14	-13	-12	-11	-9	-8	-9	-10	-11	-13	-15
IL_W Curve	28	31	34	37	40	43	46	47	48	49	50	51	51	51	51	51
IL	*23.10*	*28.50*	*33.80*	*43.00*	*41.80*	*44.10*	*45.60*	*46.40*	*45.70*	*44.30*	*44.30*	*46.90*	*47.00*	*49.00*	*52.30*	*50.90*
C Adaption	*-52.10*	*-54.50*	*-56.80*	*-64.00*	*-60.80*	*-61.10*	*-60.60*	*-59.40*	*-57.70*	*-55.30*	*-54.30*	*-55.90*	*-56.00*	*-58.00*	*-61.30*	*-59.90*
C_{tr} Adaption	*-43.10*	*-48.50*	*-51.80*	*-59.00*	*-56.80*	*-58.10*	*-58.60*	*-58.40*	*-56.70*	*-53.30*	*-52.30*	*-55.90*	*-57.00*	*-60.00*	*-65.30*	*-65.90*
Difference	4.9	2.5	0.2	0	0	0	0.4	0.6	2.3	4.7	5.7	4.1	4	2	0	0.1

Sum exceedances = 31.5 (max = 32)



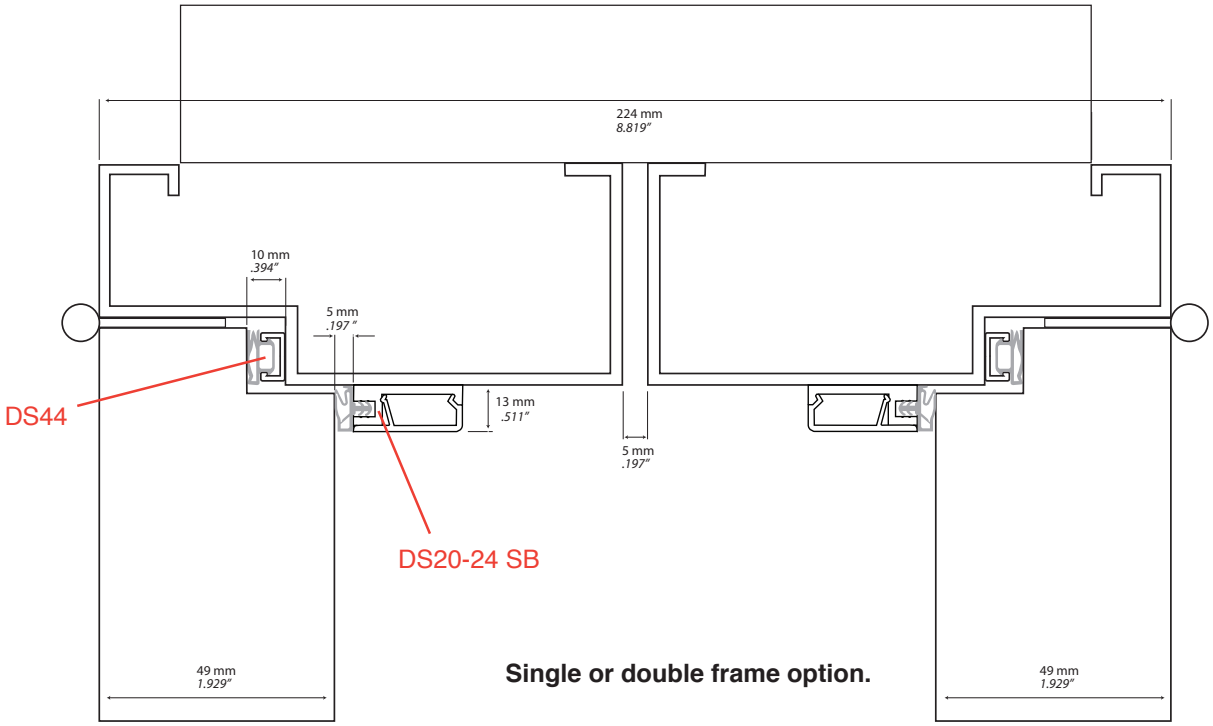
DSA Class 47 STC-Rw
Acoustic Systems Component.
Refer to previous page.

The DS20-24 head and jamb seal is proved to be high performance, with this top of our range seal system, on rebated doors we can overpower lab tests.The DS44 is a high performance and economical door seal which can be installed on door stops of sufficient depth. The corner can be mitred or butt joined. 10 mm clearance is recommended. The DRS 1530 and DBS 1230 are fully mechanical automatic door bottoms that utilise a flat spring mechanism, which activates when the door is closed, lowering a TPE seal insert against the floor or threshold. The protruding hinge–side plunger is compressed by the frame as the door closes to activate the spring. The seal then drops in a scissors like motion from the hinge side. Using a 3mm Hex spanner to adjust to the floor from a pivoting point. This motion ensures a smooth drop without drag for a tight seal, even on an uneven floor.



DS20-24 + DRS1530

Approvals: Fire: AS1530.4 Smoke: AS1530.7/BCA C3.4 Acoustic: AS1191/ISO140.3/ISO10140.2



Single or double frame option.