

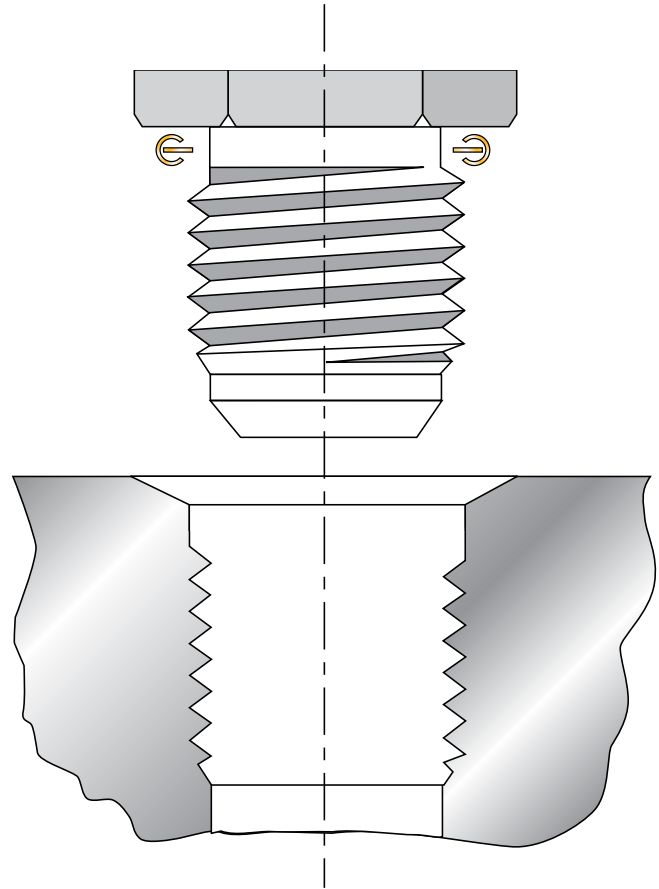
Boss Seal for MS-33649 Fluid Connection Boss & MS-33514/33656 Fitting Ends

Applications:

- Direct replacement/upgrade for elastomeric O-rings on MS-33514 flared and MS-33656 flareless fitting ends, installed into MS-33649 fluid bosses.
- Temperatures to 1200°F.
- System pressures to 5000 psi and above. (Seal is capable of higher pressures. Boss or fitting may be limiting item. Consult your local representative for assistance if pressures exceed 5000 psi).

Features:

- No rework of boss or fitting is necessary.
- Utilizes proven silver plated alloy X-750 C-ring technology.
- Washer engages with fitting threads for centering the seal in the boss.
- Designed for installation in either direction.
- Internally pressure-energized to maintain sealing stress. No need to retorque.
- Cannot extrude or fail due to ageing, pressure impulses, proof testing or extreme temperatures.
- Fully compatible with all hydraulic fluids and fuels. One seal type works for all fluids.
- Easy selection for all standard dash sizes.

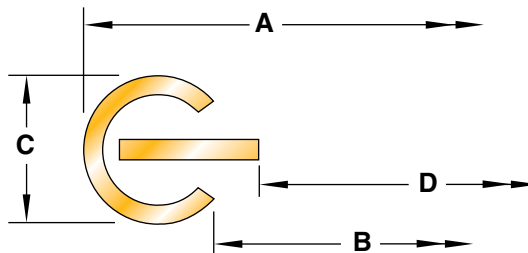


Part Number/Ordering:

Simply refer to the table below to determine the appropriate boss seal part number for the specific MS Dash Number.

The standard boss seal is made from Alloy X-750, work hardened, and silver plated to a thickness of 0.0005 to 0.001 inch.

Other materials are available. Please contact your local representative for assistance.



		Seal Dimensions				
MS Dash Number	Boss Seal Part Number	A O.D. (tol. +0.000, - 0.005)	B Seal I.D. (min.)	C Free Height (tol. ± 0.002)	Material Thickness	D Washer I.D. Ref
- 02	66690-02-07-1-SPA	0.381	0.302	0.047	0.006	0.278
- 03	66690-03-07-1-SPA	0.444	0.365	0.047	0.006	0.341
- 04	66690-04-07-1-SPA	0.506	0.427	0.047	0.006	0.397
- 05	66690-05-07-1-SPA	0.569	0.490	0.047	0.006	0.459
- 06	66690-06-07-1-SPA	0.631	0.552	0.047	0.006	0.517
- 07	66690-07-07-1-SPA	0.694	0.615	0.047	0.006	0.579
- 08	66690-08-07-1-SPA	0.819	0.740	0.047	0.006	0.699
- 09	66690-09-07-1-SPA	0.882	0.803	0.047	0.006	0.761
- 10	66690-10-07-1-SPA	0.944	0.865	0.047	0.006	0.817
- 11	66690-11-07-1-SPA	1.100	1.021	0.047	0.006	0.932
- 12	66690-12-07-1-SPA	1.156	1.051	0.062	0.010	0.995
- 14	66690-14-07-1-SPA	1.281	1.176	0.062	0.010	1.120
- 16	66690-16-07-1-SPA	1.406	1.301	0.062	0.010	1.245
- 18	66690-18-07-1-SPA	1.593	1.488	0.062	0.010	1.432
- 20	66690-20-07-1-SPA	1.718	1.613	0.062	0.010	1.557
- 24	66690-24-07-1-SPA	1.968	1.863	0.062	0.010	1.807
- 28	66690-28-07-1-SPA	2.343	2.238	0.062	0.010	2.182
- 32	66690-32-07-1-SPA	2.594	2.489	0.062	0.010	2.432

All dimensions are in inches and prior to plating.

Section C
Metal Seal Size Selection

