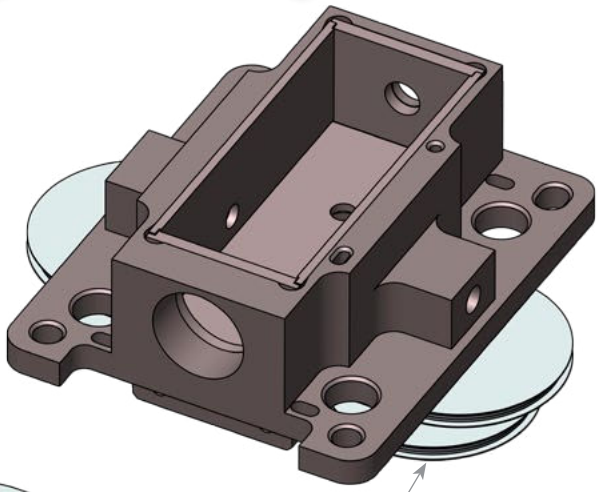
A Resource for Semiconductor Manufacturers

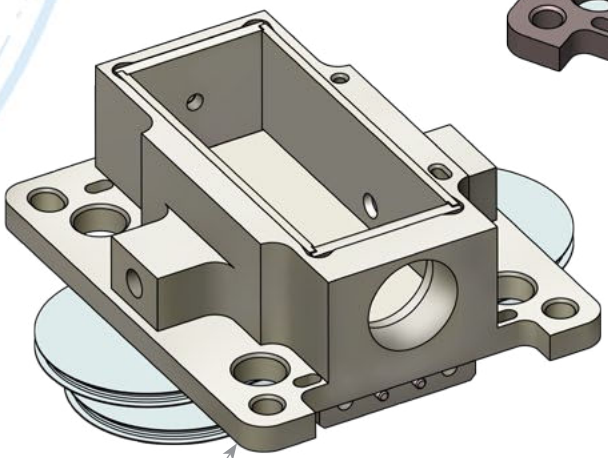
Glemco

Illustrated Parts Guide for

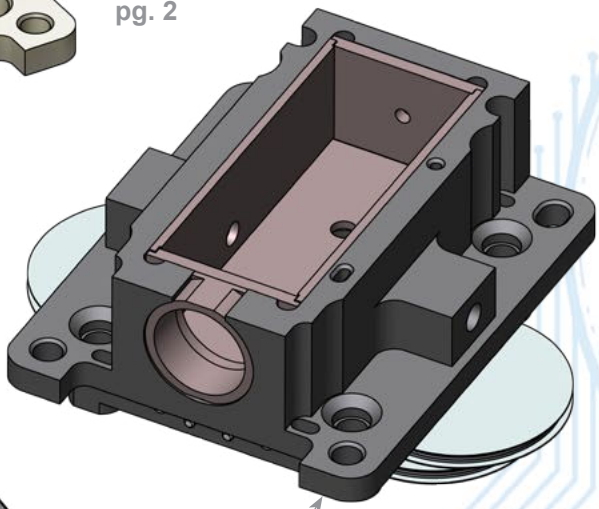
Axcelis® GSD ELS Source Liner Systems



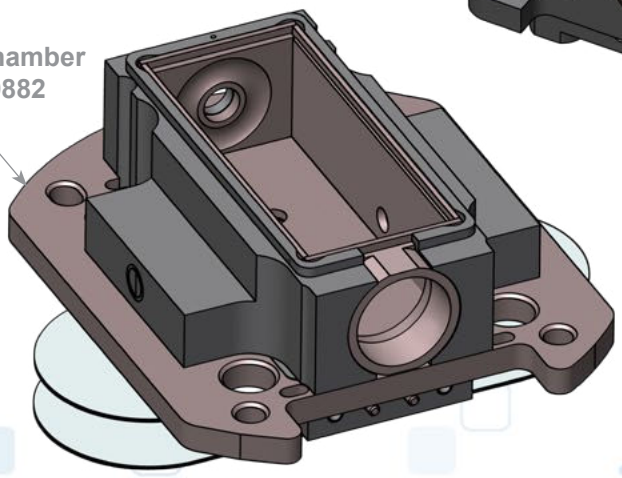
Glemco Enhanced
Tungsten .080" Arc Chamber
Liner System
pg. 2



Glemco Enhanced
Molybdenum .080" Arc Chamber
Liner System
pg. 3



Glemco Enhanced
Hybrid .080" Arc Chamber
Liner System for 99882
pgs. 5-6

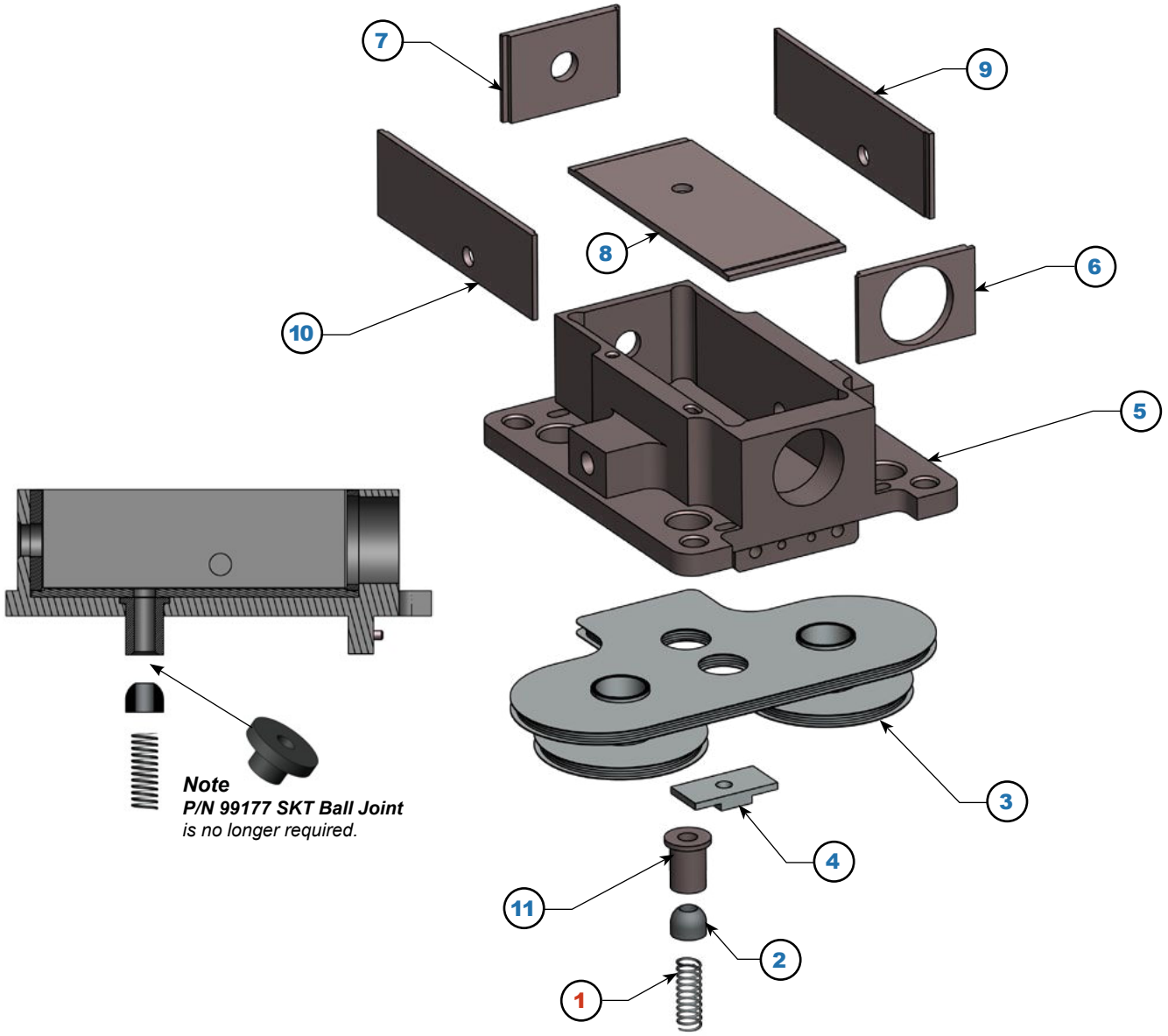


Glemco Enhanced
Hybrid .080" Arc Chamber
Liner System
pg. 4

PO Box 217 Leander, TX USA 78646-0217 • 800-621-9598 • sales@glemco.com • www.glemco.com

Glemco Customized Design

Tungsten .080” Arc Chamber Liner System

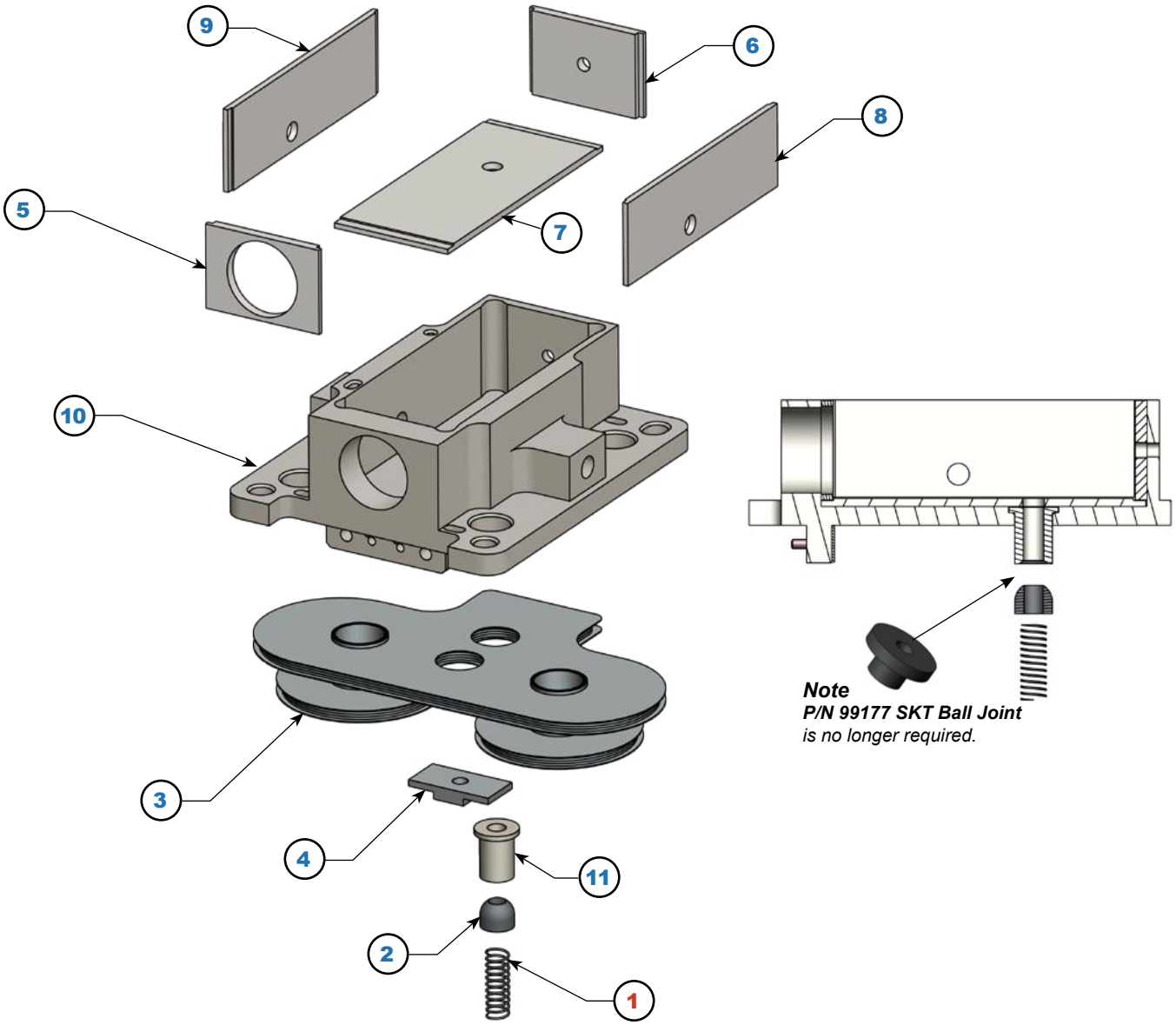


Item	P/N	Description	OEMs	Qty
1	99172B	Compression Spring, Inconel	17033140	1
2	99176	Ball Joint, Graphite	17021591	1
3	99183CG	Thermal Barrier Vaporizer Heat Shield	No OEM Reference	1
4	99554A	Heat Shield Retainer, Stainless	17033100	1
5	99594	ELS AC Liner With Vaporizer for Ø.313” Repeller Hole, Tungsten	17292590	1
6	99662W	Filament End Liner, Tungsten	17292620	1
7	99663AW	Repeller End Liner, Ø.313” Repeller, Tungsten	17292630	1
8	99782W	Base Liner, .080” Thick, Tungsten	No OEM Reference	1
9	99783W-1	Side Liner .080” Thick, Vaporizer Version, Right, Tungsten	No OEM Reference	1
10	99783W-2	Side Liner .080” Thick,Vaporizer Version, Left, Tungsten	No OEM Reference	1
11	99825	Gas Sleeve Liner, Tungsten	No OEM Reference	1

** Glemco offers improvements, modifications, or alternatives to standard OEM replacement components as indicated in red throughout this guide.*

Glemco Customized Design

Molybdenum .080” Arc Chamber Liner System



Item	P/N	Description	OEMs	Qty
1	99172B	Compression Spring, Inconel	17033140	1
2	99176	Ball Joint, Graphite	17021591	1
3	99183CG	Thermal Barrier Vaporizer Heat Shield	No OEM Reference	1
4	99554A	Heat Shield Retainer, Stainless	17033100	1
5	99662	Filament End Liner, Molybdenum	17292620	1
6	99663	Repeller End Liner, Ø.140” Repeller, Molybdenum	17292630	1
7	99782	Base Liner, .080” Thick, Molybdenum	No OEM Reference	1
8	99783-1	Side Liner .080” Thick, Vaporizer Version, Right, Molybdenum	No OEM Reference	1
9	99783-2	Side Liner .080” Thick,Vaporizer Version, Left, Molybdenum	No OEM Reference	1
10	99786	ELS AC Liner With Vaporizer for Ø.140” Repeller Hole, Molybdenum	17292590	1
11	99825M	Gas Sleeve Liner, Molybdenum	No OEM Reference	1

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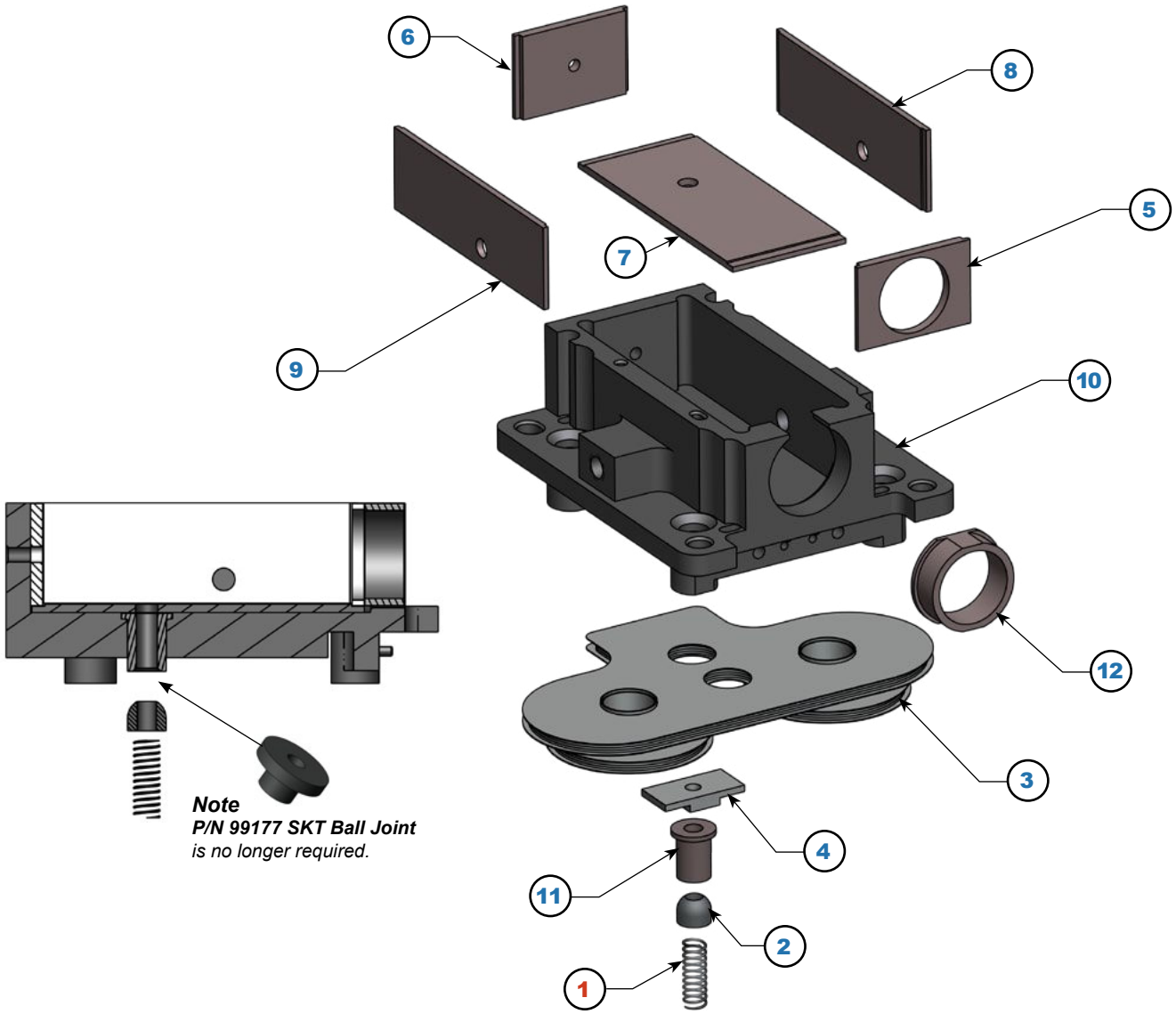
Glemco Customized Design

Hybrid .080” Arc Chamber Liner System



Item	P/N	Description	OEMs	Qty
1	99172B	Compression Spring, Inconel	17033140	1
2	99176	Ball Joint, Graphite	17021591	1
3	99183DG	Vaporizer Heat Shield With Grafoil Inserts, Stainless	No OEM Reference	1
4	99554A	Heat Shield Retainer, Stainless	17033100	1
5	99662W	Filament End Liner, Tungsten	17292620	1
6	99663W	Repeller End Liner With Ø.140” Repeller Hole, Tungsten	17292630	1
7	99782W	Base Liner, .080” Thick, Tungsten	No OEM Reference	1
8	99783W-1	Side Liner .080” Thick, Vaporizer Version, Right, Tungsten	No OEM Reference	1
9	99783W-2	Side Liner .080” Thick,Vaporizer Version, Left, Tungsten	No OEM Reference	1
10	99791B	ELS AC Liner With Vaporizer for Ø.140” Repeller Hole, Graphite	17133400	1
11	99825	Gas Sleeve Liner, Tungsten	No OEM Reference	1
12	99826	Cathode Sleeve Liner, Tungsten	No OEM Reference	1

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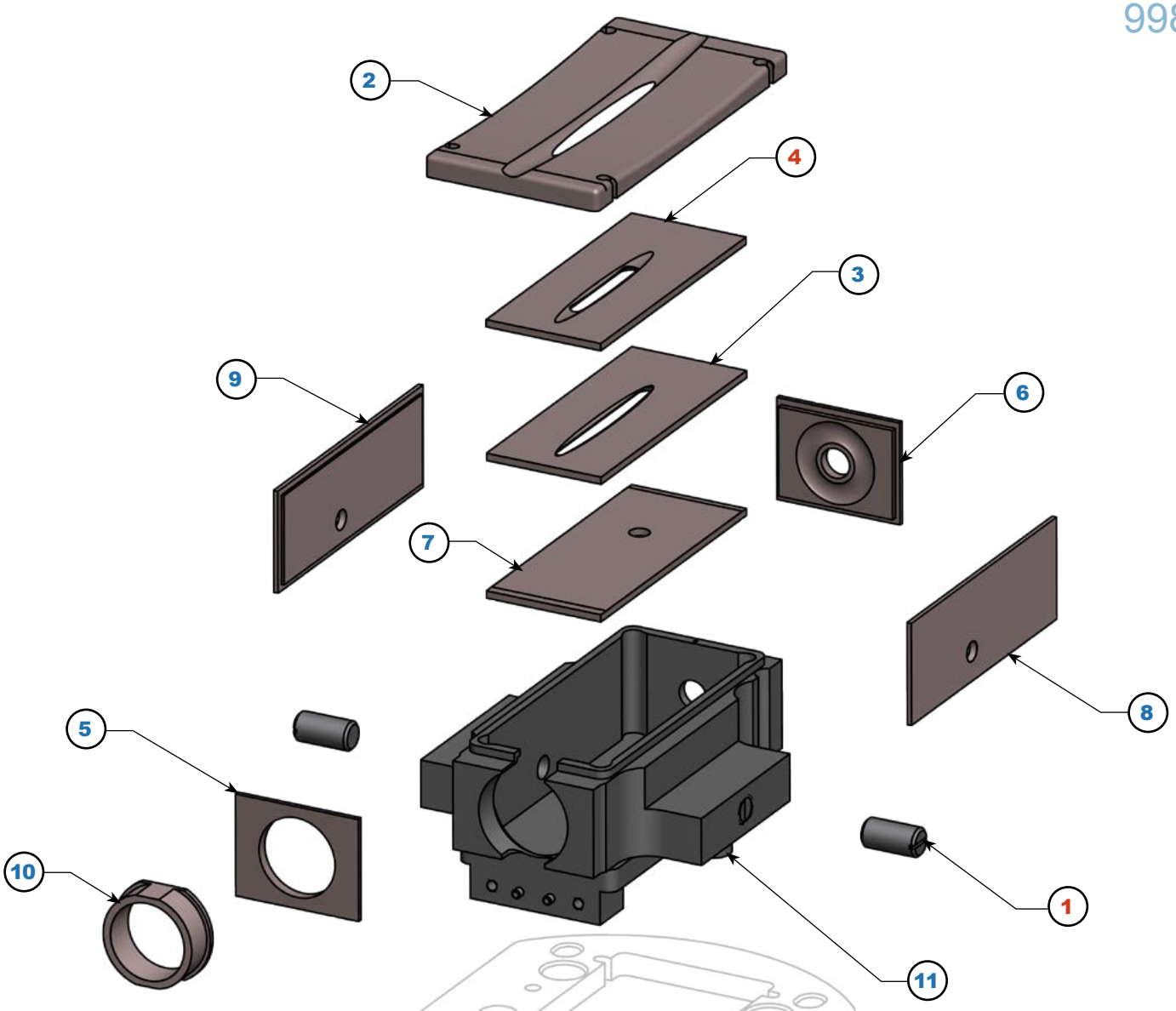
Glemco Customized Design

Hybrid .080” Arc Chamber Liner System

99882



Item	P/N	Description	OEMs	Qty
1	99286CG-2	Arc Chamber Plug, Graphite	No OEM Reference	
2	99402DW	Face Plate, R20, Tungsten	No OEM Reference	1
3	99447CW	Standard Slit Aperture R20, Tungsten	No OEM Reference	1
4	99447DW	Reduced Slit Aperture, Tungsten	No OEM Reference	
5	99662DW	End Liner, Cathode, Tungsten	No OEM Reference	1
6	99663DW	End Liner, Repeller, Tungsten	No OEM Reference	1
7	99782BW	Base Liner, .080” Thick, Tungsten	No OEM Reference	1
8	99783BW-1	Side Liner .080” Thick, Vaporizer Version, Right, Tungsten	No OEM Reference	1
9	99783BW-2	Side Liner .080” Thick, Vaporizer Version, Left, Tungsten	No OEM Reference	1
10	99826	Cathode Sleeve Liner, Tungsten	No OEM Reference	1
11	99882-2	Arc Chamber Body, Hybrid, Graphite	No OEM Reference	1

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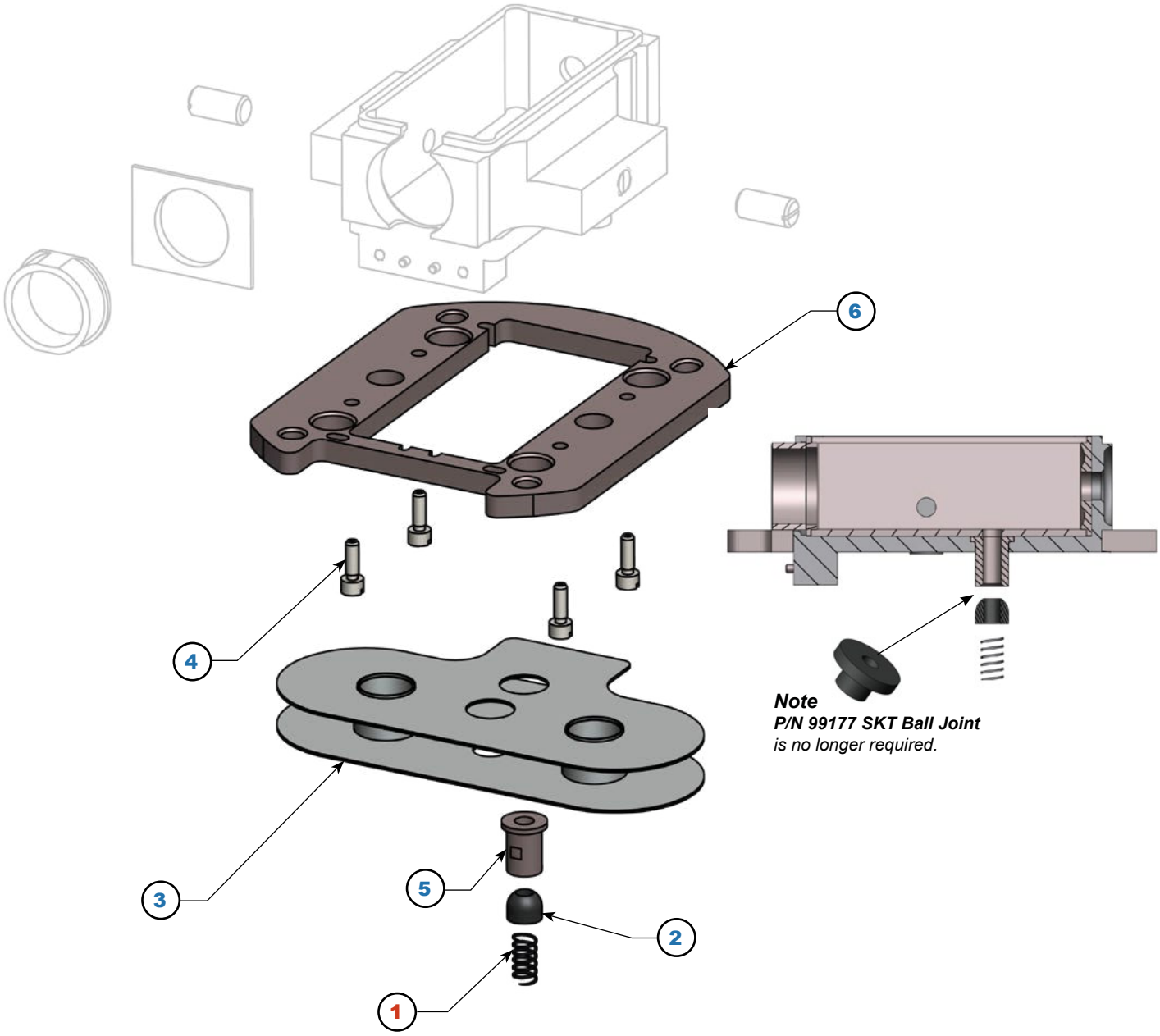
Hybrid .080” Arc Chamber Liner System

99882



Item	P/N	Description	OEMs	Qty
1	99172A	Compression Spring, Inconel	17033140	1
2	99176	Ball Joint, Graphite	17021591	1
3	99183B	Heat Shield Assembly, Stainless	17142660	1
4	99403	Repeller Screw, Molybdenum	17121770	4
5	99825	Gas Sleeve Liner, Tungsten	No OEM Reference	1
6	99882-1	Flange, Hybrid Arc Chamber, Tungsten	No OEM Reference	1

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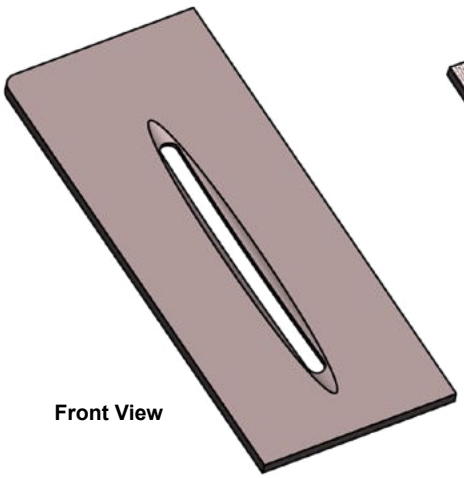
.080” Arc Slit Aperture Options

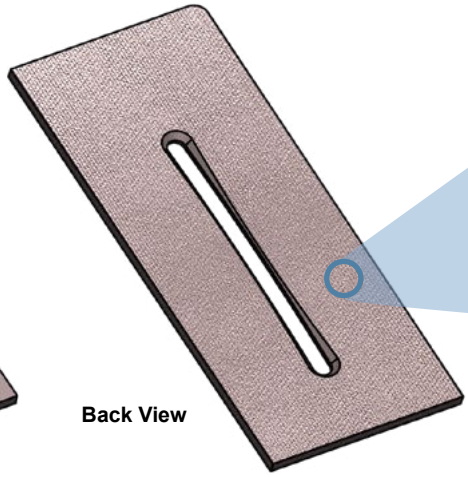
P/N 99784W – *No OEM Reference*

Arc Slit Liner T15, .080” Thick, Tungsten

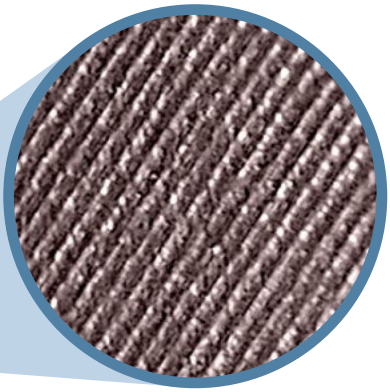
Shark Skin™ Surface Finish



Front View



Back View

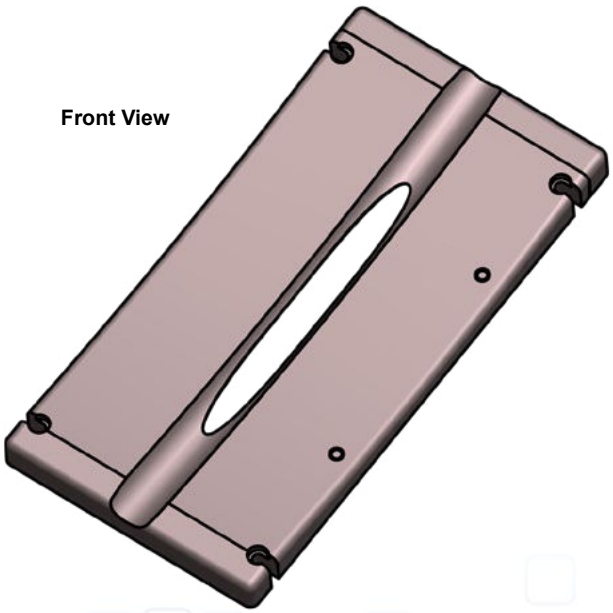


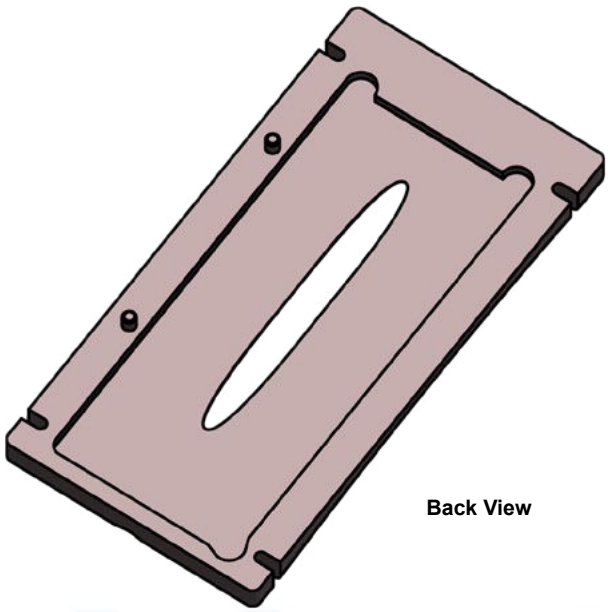
Designed to reduce flaking from process build-up. This texturized finish is a feature for all Glemco .080” liners.

P/N 99785W – *No OEM Reference*

Face Plate T15, .080” Thick Liner Version, Tungsten

Front View





Back View

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