

Carbide gages are not fragile. The carbide used in them is the identical grade which is widely used for solid carbide rotary cutting tools (drills, mills, reamers) and cutting edges used for machining cast iron. It has high wear resistance (up to 50 times better than steel), and the ability to withstand medium shock. It is extremely hard, resists scratches in use, does not burr, is corrosion resistant and practically non-magnetic.

**Volume/Short-Lot Production**

Carbide gages are used in applications involving the production of parts in high volume because of carbide's unusual hardness and wear-resistant qualities. Carbide is also used for gaging and mastering, even for small-lot applications, where the instruments must be shelved over substantial periods of time. The inherent stability of carbide, as contrasted to other

conventional gage materials, is insurance against permanent changes in size or deformation during use or shelved periods. Carbide's resistance to corrosion also is superior.

**Difficult Application?**

The materials used in standard carbide plug and ring gages reflect over 44 years of gage-manufacturing experience and satisfies most applications. But some special applications require gages of carbide with unique characteristics. Carbides are available with high lubricity for soft materials or totally non-magnetic properties, for example. Gages of other materials, such as ceramics, can be supplied to your specifications where electrical resistance or other environmental conditions require them.

**Special Materials**

Standard or special materials and the

manufacturer can be specified, and materials/source certification can be provided, as required.

**Delivery**

Need a gage fast? We maintain a large stock of semi-finished diameters of standard carbide for gages and other carbide products which we manufacture. If we can draw from this stock, finish your gage and meet your delivery requirements, we will do so at no extra charge. If we have to finish a blank which is not typical for the size you require in order to meet your delivery requirements, we will do so at a price which reflects only the additional costs necessary to perform the extra operations

**Minimum Order Charges**

GLE has no minimum order charges; our experience thus far has deemed it unnecessary. We bill you at our listed prices plus costs for shipping.

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**Calibration and Certification  
Services - NEW GLE Gages**

**Certification of Class/Conformance**                      **\$ 5.00**

Must be specified at time of order. Certifies that the gage has been inspected at 68 degrees F/20 degrees Celsius and is within the required tolerance for its classification, traceable to NIST. The certificate details the masters used (set and serial number); the type of gage inspected; the specified gage diameter; length (if non-standard); GO, NOGO, or Bilateral (master); and tolerance class.

**Certification of Calibration:**

Each Plug gage diameter                                      **\$ 17.50**

Each Ring gage diameter                                      **\$ 17.50**

Must be specified at the time of order. It provides the same information as that for Class/Conformance but, additionally, displays the diameter at 0 and 90 degree angular locations at 3 points on the gage (front, center and back). Deviation errors are displayed to the sixth decimal place.

**Roundness Chart**    **\$ 27.00**

Federal Formscan 3200 Circular Geometry documentation.

**Surface Texture (Roughness) Chart**                                      **\$ 27.00**

**Calibration and Certification  
Services - Existing customers' Gages**

**Certification of Calibration**                                      **\$ 35.00**

Each gage diameter.

All prices apply to those gage sizes presented in GLE's price list.

**Gage Inspection, Certification and Rework**

In addition to inspection and calibration services for existing carbide gages, gage rework services are offered. Our recommendations can include calibration (the gage is good and still within tolerance); rework to a new size (the gage is out of tolerance but is in good physical condition); or discard (the gage is no longer useful). GLE will quote prices based on work required to process to new size and the certification specified.

A certificate of Class/Conformance (extra cost) or Certificate of Calibration (extra cost) is supplied, if specified at the time of order for gage rework.

**Quality Control Laboratory**

Gages to XXX tolerances require holding accuracies to 0.000010" (0.00025mm) and some work is performed to 0.000005" (0.00013mm). To measure parts of this quality with an acceptable level of assurance, the Company maintains a Quality Control Laboratory (Gage Room), temperature and humidity controlled, equipped with modern precision dimensional measuring equipment. All Laboratory personnel are skilled metrologists and all inspection equipment and master blocks have precision traceable to the National Institute of Standards and Technology (NIST), formerly National Bureau of Standards (NSB). A strict certification schedule for all masters is maintained. For information on Laboratory procedures and dimensional references, ask for GLEQC Laboratory Calibration Standards, publication GLE1004. The QC laboratory is equipped with an automated, state-of-the-art inspection system, Federal Formscan 3200 Circular Geometry Gage equipped with a high precision rotary table (+0.000,000.5", +0.000,012,7mm radial departure), which can measure and evaluate all circular geometry elements to completely qualify a part - ID and OD roundness; circular runout; concentricity; circular flatness, perpendicularity, and plane runout; plane runout and circular parallelism of top and bottom faces; and in-depth analyses such as slope analysis, harmonic analysis, DR/DO, etc. Data can be printed out in graphic form for verification.

The Laboratory is also equipped with a Mitutoyo Surtest 201 stylus type profiling system for measurement of surface texture. The surface texture analysis includes arithmetic mean deviation of the roughness profile (Ra), Root-mean-square deviation (Rq), maximum peak-to-valley height (Rt), 10 point height of irregularities (Rz), peak count (Pc), bearing length ratio (tp), etc. A matrix printer provides job identification and a printout of calculation and graphic displays for documentation verification.

**Gaging Accessories**

Carbide accessories for gages and for locating and fixturing parts precisely for gaging are manufactured to customer print. Carbide centers, pins, inspection anvils, staking anvils, etc.; carbide micrometer tips, probe points of special shapes - spherical/ball, square, or needles with point diameters as small as .0005" (.0127mm); and precision flat wear parts.

**Direction of Tolerances**

Gages: Tolerance is applied plus on the GO member, minus on the NOGO member - unless otherwise specified.

Masters: Tolerance is applied bilaterally.

**Entry Radii**, both ends, .010" (.25mm) to .015" (.38mm)

**Handle Prices** include a collet (two collets if double-ended) and bushings for the gage elements ordered.

**Gage Marking:** Customer part number, "GO" or "NOGO" labels, "GO" or "NOGO" dimensions, and gage tolerance class - XXX, XX, X, Y or Z. Customer part identification is engraved on the handle body; the "GO" label, diameter and tolerance class is engraved on the "GO" (green) collet nut; the "NOGO" label, diameter and tolerance class on the "NOGO" (red) collet nut. Included as standard in the price of the gage assembly.

**Options:** Sizes both smaller and larger than diameters listed. Whistle stops. Easy entry pilots. Longer gage lengths. Depth steps. Special entry radii. Progressive gages - 2, 3, 4 or more steps for true position and concentricity. OD air groves, ID through holes on 5/16" diameters and larger.

**Special Gages:** Slot, Cross, Depth, Paddle, Square, etc.; manufactured to customer print.

Members Go/Nogo	Size	Length	Class	Price (Each)			Handle(S/D)	
				Quantity	1	2-5	6-10	No.
	.005 To .039			Refer to Company				
	.127mm to .991mm			With Requirements				
				Quoted upon Request				
	.040 to .075	1-3/8	XXX	137.76	126.31	118.28	1	10.25
	1.02mm to 1.91mm	34.93mm	XX	71.53	71.46	67.44		
			X	70.56	66.00	62.44		
			Y	67.93	63.59	60.18		
			Z	66.00	61.83	58.54		
	.076 to .100	1-1/2	XXX	123.05	118.62	111.14	2	10.25
	1.93mm to 2.54mm	38.mm	XX	67.36	65.09	61.54		
			X	62.29	60.68	59.53		
			Y	59.72	58.45	55.40		
			Z	57.86	56.83	53.90		
	.101 to .131	1-5/8	XXX	120.18	115.01	112.12	2	10.25
	2.57mm to 3.33mm	41.28mm	XX	60.12	57.28	55.91		
			X	53.32	51.37	50.15		
			Y	51.40	49.69	48.52		
			Z	49.34	47.91	46.78		
	.132 to .181	1-3/4	XXX	122.17	116.83	113.89	2	10.25
	3.35mm to 4.60mm	44.45mm	XX	61.09	58.12	56.72		
			X	55.05	52.87	51.62		
			Y	52.17	50.36	49.17		
			Z	50.18	48.63	47.49		
	0.182 to .231	2	XXX	128.20	122.35	119.27	3	11.50
	4.62mm to 5.87mm	50.8mm	XX	64.10	60.74	59.28		
			X	57.69	55.16	53.84		
			Y	54.93	52.76	51.51		
			Z	52.62	50.75	49.55		
	.232 to .282	2	XXX	137.57	130.92	127.62	3	11.50
	5.89mm to 7.16mm	50.8mm	XX	68.79	64.81	63.24		
			X	61.98	58.90	57.48		
			Y	58.84	56.16	54.82		
			Z	56.47	54.10	52.81		
	.283 to .345	2	XXX	148.16	140.61	137.05	4	12.50
	7.19mm to 8.76mm	50.8mm	XX	74.05	69.39	67.70		
			X	66.73	63.03	61.50		
			Y	63.33	60.07	58.62		
			Z	60.83	57.89	56.51		
	.346 to .407	2	XXX	160.86	152.24	148.38	4	12.50
	8.79mm to 10.34mm	50.8mm	XX	80.40	74.91	73.08		
			X	72.31	67.88	66.23		
			Y	68.85	64.87	63.30		
			Z	65.90	62.30	60.80		
	.408 to .461	2	XXX	175.11	165.28	161.07	5	12.50
	10.36mm to 11.71mm	50.8mm	XX	87.52	81.11	79.11		
			X	78.73	73.46	71.66		
			Y	74.88	70.11	68.40		
			Z	71.80	67.44	65.80		

Carbide Reversible Gages

		Price (Each)					
Members Go/Nogo			Quantity			Handle(S/D)	
Size	Length	Class	1	2-5	6-10	No.	Price
.462 to .511	2	XXX	199.71	197.71	192.86	5	12.50
11.73mm to 12.98mm	50.8mm	XX	98.73	94.03	91.90		
		X	89.71	85.92	84.00		
		Y	85.62	82.33	80.51		
		Z	82.45	79.49	76.14		
.512 to .561	2	XXX	240.07	231.17	220.30	6	13.75
13.00mm to 14.25mm	50.8mm	XX	117.89	111.14	106.21		
		X	106.97	101.41	97.01		
		Y	102.10	97.01	92.78		
		Z	98.32	95.67	89.59		
.562 to .611	2	XXX	263.94	253.11	240.69	6	13.75
14.27mm to 15.52mm	50.8mm	XX	125.02	119.44	111.09		
		X	112.59	105.53	100.49		
		Y	106.86	100.44	95.69		
		Z	102.53	98.85	96.39		
.612 to .661	2	XXX	304.28	291.01	276.72	.612 to .636	
15.54mm to 16.79mm	50.8mm	XX	144.10	133.68	130.30	6	13.75
		X	129.72	120.82	117.78		
		Y	123.20	115.03	112.14	637 to .661	
		Z	118.26	110.63	105.36	7	15.50
.662 to .710	2	XXX	330.02	315.20	307.06	7	15.50
16.81mm to 18.03mm	50.8mm	XX	156.29	144.56	137.61		
		X	140.69	130.66	124.41		
		Y	134.35	124.99	118.97		
		Z	128.25	119.55	113.81		
.711 to .761	2	XXX	356.72	340.30	324.79	7	15.50
18.06mm to 19.33mm	50.8mm	XX	189.21	173.98	165.53		
		X	168.24	158.06	150.41		
		Y	152.15	140.86	134.08		
		Z	144.53	133.73	127.31		
.762 to .824	2	XXX	392.37	373.82	355.35	8	22.00
19.35mm to 20.93mm	50.8mm	XX	185.86	175.12	162.69		
		X	167.27	154.41	150.48		
		Y	158.92	146.94	139.81		
		Z	152.52	141.20	134.37		
.825 to .871	2	XXX	420.81	400.59	380.83	8	22.00
20.96mm to 22.12mm	50.8mm	XX	199.33	183.01	174.10		
		X	179.34	165.12	157.13		
		Y	170.44	157.19	149.60		
		Z	163.61	154.76	143.81		
.872 to .918	2	XXX	454.27	431.99	410.50	8	22.00
22.15mm to 23.32	50.8mm	XX	215.18	197.14	187.53		
		X	193.72	177.98	169.35		
		Y	184.09	169.41	165.09		
		Z	176.78	166.81	154.99		
.919 to .971	2	XXX	483.16	459.14	423.88	8	22.00
23.34mm to 24.66mm	50.8mm	XX	228.83	209.36	199.17		
		X	205.98	188.92	184.09		
		Y	195.67	179.71	170.97		
		Z	187.75	172.65	164.25		
.972 to 1.010	2	XXX	517.78	491.70	467.38	8	22.00
24.69mm to 25.65mm	50.8mm	XX	245.23	224.01	218.27		
		X	220.79	202.18	192.34		
		Y	209.82	192.34	182.96		
		Z	201.28	184.75	175.78		

**Direction of Tolerance:** Gages - tolerance is applied plus on the GO member, minus on the NOGO member - unless otherwise specified; Masters - tolerance is applied bilaterally.

**Entry Radii** and all exposed shoulder edges, standard, .010" (.25mm) to .015" (.38mm).

**Handles** are equipped with a tapped hole and three male locators on one end (both ends if double ended). Each Tri-Lock element mates to the end of the handle, and a bolt, screwed into the tapped hole, secures it in place. Tri-Lock elements are reversible.

**Gage Marking:** Customer part number, "GO" or "NOGO" labels, "GO" or "NOGO" dimensions, and gage tolerance class - XXX, XX, X, Y or Z. Customer part identification is engraved on the handle body; the "GO", "NOGO" label, diameter and tolerance class is engraved on the ends of the handle nearest their associated carbide element. Included as standard in the price of the gage assembly.

**Options:** Size-larger diameters than those listed; longer gage lengths; depth steps; whistle stops; easy entry pilots; special entry radii; progressive limit gages, 2, 3, 4 or more steps; etc.

**Special Gages:** Slot, Cross, Depth, Paddle, etc. Manufactured to customer print.

Member	GO	Class	Price (Each)			NOGO	Price (Each)			Handles	
			Quantity				Quantity			No.	Price
Size	Length		1	2-5	6-10	Length	1	2-5	6-10		
.725 to .825	1-1/4	XXX	513.15	474.56	458.12	3/4	403.06	398.41	360.42	2-1/2	11.50
19.05mm to 20.96mm	31.8mm	XX	319.07	309.75	301.53	19.1mm	274.06	271.71	252.71		
		X	297.09	293.25	285.89		259.00	258.97	241.82		
		Y	287.27	285.89	278.89		257.40	253.29	247.91		
		Z	283.61	283.06	276.22		254.85	251.09	245.82		
.826 to .885	1-1/4	XXX	540.31	495.01	477.52	3/4	418.91	416.02	402.52	2-1/2	11.50
20.98mm to 22.48mm	31.8mm	XX	332.69	320.00	311.26	19.1mm	289.43	280.51	273.73		
		X	309.33	306.45	298.34		273.56	270.03	263.77		
		Y	298.86	294.58	287.11		266.44	261.40	258.33		
		Z	294.93	291.63	284.33		263.66	258.63	252.97		
.886 to .947	1-1/4	XXX	568.97	533.50	498.02	3/4	441.03	434.95	420.42	2-1/2	11.50
22.50mm to 24.05mm	31.8mm	XX	346.95	330.77	321.51	19.1mm	290.49	289.95	282.71		
		X	320.03	316.35	307.84		283.52	275.47	272.05		
		Y	311.16	303.79	295.91		275.86	267.83	262.81		
		Z	306.90	300.66	292.84		272.92	266.49	260.47		
.948 to 1.010	1-3/8	XXX	618.11	553.61	533.11	3/4	464.95	455.28	439.70	3-1/2	12.50
24.07mm to 25.65mm	34.9mm	XX	351.55	349.31	339.06	19.1mm	312.47	300.14	292.32		
		X	339.53	328.92	319.66		294.29	288.09	280.91		
		Y	327.23	319.71	310.97		286.01	280.91	277.32		
		Z	317.65	316.24	307.67		283.00	275.06	268.58		
1.011 to 1.073	1-3/8	XXX	645.46	574.17	552.68	3/4	480.54	477.05	460.43	3-1/2	12.50
25.68mm to 27.25mm	34.9mm	XX	360.23	359.61	348.84	19.1mm	315.27	311.03	302.69		
		X	346.70	338.19	328.46		305.70	294.41	286.94		
		Y	333.87	328.46	319.25		296.90	286.88	279.81		
		Z	328.97	324.75	315.78		293.54	284.04	277.09		
1.074 to 1.135	1-3/8	XXX	674.12	595.65	573.18	3/4	517.70	500.04	482.27	3-1/2	12.50
27.28mm to 28.83mm	34.9mm	XX	374.56	370.33	359.03	19.1mm	338.88	327.01	322.20		
		X	359.66	352.84	337.67		312.97	312.88	308.48		
		Y	346.05	337.67	327.99		308.59	296.84	289.25		
		Z	341.01	333.79	324.35		305.00	293.77	289.89		
1.136 to 1.210	1-1/2	XXX	727.32	635.67	611.11	3/4	526.83	524.77	505.72	4-1/2	12.50
28.85mm to 30.73mm	38.1mm	XX	401.13	390.36	378.03	19.1mm	343.42	334.89	325.33		
		X	368.60	365.81	354.75		321.06	315.89	307.32		
		Y	358.88	354.81	344.32		310.99	307.32	301.53		
		Z	353.32	350.58	345.19		307.16	304.14	296.14		
1.211 to 1.285	1-1/2	XXX	756.11	657.33	631.67	3/4	552.41	550.89	530.56	4-1/2	12.50
30.76mm to 32.64mm	38.1mm	XX	415.52	401.13	388.34	19.1mm	358.70	347.92	337.78		
		X	381.50	381.27	369.46		334.84	327.65	318.50		
		Y	368.57	364.01	353.07		324.07	318.50	309.79		
		Z	360.43	359.72	348.96		319.99	315.02	306.51		
1.286 to 1.360	1-1/2	XXX	785.88	679.85	653.04	3/4	583.85	577.53	555.93	4-1/2	12.50
32.66mm to 34.54mm	38.1mm	XX	430.44	412.43	399.05	19.1	374.40	361.23	350.46		
		X	394.98	385.67	373.63	19.1mm	348.92	339.63	329.91		
		Y	378.88	373.63	362.16		337.51	329.85	320.58		
		Z	372.86	369.05	357.88		333.22	326.26	317.22		
1.361 to 1.435	1-1/2	XXX	817.03	703.25	675.34	3/4	615.99	604.80	581.75	4-1/2	12.50
34.57mm to 36.45mm	38.1mm	XX	446.01	424.12	410.17	19.1mm	390.50	374.90	363.38		
		X	408.85	396.21	383.66		363.57	351.91	341.55		
		Y	392.23	383.65	371.77		351.29	341.55	331.70		
		Z	385.88	378.90	367.20		346.60	337.67	327.99		
1.436 to 1.510	1-1/2	XXX	854.26	731.16	701.86	3/4	649.35	633.24	608.80	4-1/2	12.50
36.47mm to 38.35mm	38.1mm	XX	464.60	438.08	423.43	19.1mm	407.17	389.15	376.87		
		X	425.73	408.84	395.57		378.45	370.21	358.92		
		Y	408.13	395.63	383.07		360.54	358.92	353.30		
		Z	401.52	390.59	378.32		360.67	349.54	339.34		

Carbide Trilock Gages

Member Size	GO Length	Class	Price (Each)			NOGO Length	Price (Each)			Handles	
			Quantity 1	Quantity 2-5	Quantity 6-10		Quantity 1	Quantity 2-5	Quantity 6-10	No.	S/D Price
1.511 to 1.610	1-7/8	XXX	1081.91	997.87	954.15	7/8	637.17	619.95	595.11	5-1/2	15.50
38.38mm to 40.89mm	47.6mm	XX	568.48	561.46	539.57	22.2mm	376.11	372.45	360.06		
		X	522.12	517.80	498.29		351.98	347.60	336.54		
		Y	499.01	498.11	479.46		348.95	336.54	325.95		
		Z	495.21	490.76	472.46		343.92	332.37	321.95		
1.611 to 1.710	1-7/8	XXX	1104.73	1017.33	972.68	7/8	740.77	707.80	678.85	5-1/2	15.50
40.92mm to 43.43mm	47.6mm	XX	579.83	571.14	548.84	22.2mm	422.88	416.40	401.92		
		X	527.37	526.49	506.45		393.54	387.27	374.13		
		Y	508.74	506.45	487.28		383.08	374.13	361.79		
		Z	501.04	494.37	477.23		372.23	369.15	356.99		
1.711 to 1.810	1-7/8	XXX	1061.47	980.50	937.82	7/8	781.94	742.84	711.97	5-1/2	15.50
43.46mm to 45.97mm	47.6mm	XX	558.23	552.78	531.41	22.2mm	443.50	433.89	418.49		
		X	539.65	532.34	516.41		407.13	403.02	389.18		
		Y	520.38	516.35	496.78		390.74	389.18	375.92		
		Z	511.17	508.42	489.25		393.55	383.86	370.94		
1.811 to 1.910	1-7/8	XXX	1164.55	1068.17	1020.92	7/8	825.43	779.78	747.06	5-1/2	15.50
46.00mm to 48.51mm	47.6mm	XX	609.77	596.56	572.99	22.2mm	465.21	452.36	436.03		
		X	554.30	549.30	528.17		426.65	419.59	404.94		
		Y	529.28	528.17	508.07		409.33	404.94	390.86		
		Z	524.90	520.12	500.37		402.67	399.32	385.59		
1.911 to 2.010	1-7/8	XXX	1202.19	1100.08	1051.32	7/8	871.64	819.16	784.42	5 1/2	15.50
48.54mm to 51.05mm	47.6mm	XX	628.48	612.54	588.16	22.2mm	488.32	472.05	454.68		
		X	571.21	563.72	541.83		447.55	437.48	421.84		
		Y	545.44	541.83	521.04		429.14	421.84	406.96		
		Z	535.65	533.44	513.05		422.19	415.82	401.29		
2.011 to 2.110	2	XXX	1254.66	1144.61	1093.65	7/8	920.81	860.97	824.14	6.00	16.75
51.08mm to 53.59mm	40.8mm	XX	654.83	610.13	609.30	22.2mm	512.93	492.96	474.60		
		X	594.83	583.88	560.94		469.56	456.19	439.56		
		Y	567.85	560.94	539.11		450.45	439.56	423.87		
		Z	557.66	552.20	530.89		442.69	433.25	417.91		
2.111 to 2.210	2	XXX	1305.33	1187.70	1134.54	7/8	972.52	904.87	866.01	6.00	16.75
53.62mm to 56.13mm	40.8mm	XX	680.19	656.38	629.80	22.2mm	518.76	514.91	495.51		
		X	617.65	603.16	579.36		482.90	475.93	458.44		
		Y	589.45	579.36	556.60		472.22	458.39	441.71		
		Z	578.91	570.27	547.97		464.40	451.68	435.40		
2.211 to 2.310	2	XXX	1362.19	1236.23	1180.63	7/8	1027.48	951.72	910.25	6.00	16.75
56.16mm to 58.67mm	40.8mm	XX	708.63	680.58	652.79	22.2mm	541.24	538.36	517.63		
		X	643.25	624.93	599.97		497.68	496.95	478.42		
		Y	613.83	599.97	576.23		485.79	478.42	460.76		
		Z	602.65	590.48	567.26		477.45	471.30	454.04		
2.311 to 2.410	2	XXX	1427.20	1291.30	1232.98	7/8	1086.02	1001.52	957.62	6.00	16.75
58.70mm to 61.21mm	40.8mm	XX	741.11	708.15	679.02	22.2mm	570.51	563.26	541.31		
		X	672.43	649.83	623.60		523.97	519.36	499.68		
		Y	641.57	623.54	598.70		500.75	499.68	480.97		
		Z	629.87	613.64	589.20		496.95	492.15	473.85		
2.411 to 2.510	2	XXX	1499.67	1275.72	1291.53	7/8	1148.10	1053.99	1006.38	6.00	16.75
61.24mm to 63.75mm	40.8mm	XX	777.31	700.39	708.27	22.2mm	601.55	589.49	565.69		
		X	705.09	677.57	650.01		546.77	543.11	522.14		
		Y	672.66	650.01	623.72		522.21	522.14	502.34		
		Z	660.21	639.41	613.70		519.17	514.21	494.69		
2.511 and Larger	Refer to Company With Requirements										

## Carbide Inserted Ring Gages

**Direction of Tolerances:** Gages - tolerance is applied minus on the GO member, plus on the NOGO member - unless otherwise specified; Masters - tolerance is applied bilaterally.

**Entry Radii:** Standard, .010" (.25mm) to .015" (.38mm).

**Design:** For diameters less than 2.00" (50.8mm), a heavy walled carbide ring protected by an outer jacket of knurled steel. For diameters 2.00" or greater, the carbide insert is protected by a jacket of a special nylon material - which thermally insulates the carbide from handling and is 1/7 the weight of steel.

**Gage Marking:** Customer part number, "GO" or "NOGO" labels, "GO" or "NOGO" dimensions, and gage tolerance class, XXX, XX, X, Y or Z. Customer part identification, the

"GO", "NOGO" label, diameter and tolerance class is engraved on the face of the steel jacket for gages with diameter less than 2.00 inches. For gages 2.00" and larger in diameter, the identification is etched on the face of the carbide near the outer diameter. Included as standard in the price of the gage. GLE standard NOGO gages also are physically identified by a groove which encircles the OD of the jacket, centered on the gage length.

**Options:** Gage length; easy entry pilots; special entry radii; progressive diameters - 2, 3, 4 or more for true position and concentricity checks; twin rings; multiple-ring gages.

**Special Gages:** Taper-Morse, Brown & Sharpe, Jarno, American Standard Machine, British Standard - etc. To customer print.

			Price (Each)						Price (Each)		
			Quantity						Quantity		
Size	Length	Class	1	2-5	6-10	Size	Length	Class	1	2-5	6-10
.010 to .058			Refer to Company			1.345 to 1.510	1-5/16	XXX	897.91	773.82	735.28
.254mm to 1.47mm			With Requirements			34.16mm to 38.35mm	33.3mm	XX	448.96	372.82	354.51
0.059 to .150	3/16	XXX	388.32	351.63	338.29			X	404.15	336.33	320.07
1.50mm to 3.81mm	4.8mm	XX	232.27	212.25	205.92			Y	384.00	320.01	304.52
		X	216.77	199.58	193.95			Z	376.25	313.86	298.63
		Y	209.70	193.95	188.57	1.511 to 1.760	1-1/2	XXX	1094.39	940.12	893.76
		Z	207.00	191.77	186.52	38.38mm to 44.70mm	38.1mm	XX	547.20	451.81	429.79
.151 to .230	3/8	XXX	414.09	362.01	347.18			X	492.48	407.64	387.86
3.84mm to 5.84mm	9.5mm	XX	240.59	207.21	200.17			Y	467.89	387.86	368.85
		X	223.20	193.25	186.85			Z	458.66	380.37	362.13
		Y	215.39	186.85	180.96	1.761 to 2.010	1-1/2	XXX	1194.25	1025.22	974.14
		Z	212.42	184.42	178.53	44.73mm to 51.05mm	38.1mm	XX	597.12	492.20	467.94
.231 to .365	9/16	XXX	383.80	335.99	319.95			X	537.43	443.93	422.23
5.87mm to 9.27mm	14.3mm	XX	191.90	164.84	157.23			Y	510.54	422.23	401.62
		X	172.63	149.42	142.44			Z	500.23	414.04	393.81
		Y	163.94	142.44	135.85	2.011 to 2.260	1-1/2	XXX	1386.96	1188.89	1130.00
		Z	160.63	139.75	133.35	51.08mm to 57.40mm	38.1mm	XX	693.48	569.97	542.00
.366 to .510	3/4	XXX	408.19	357.08	339.69			X	624.14	514.02	488.74
9.30mm to 12.95mm	19.1mm	XX	204.09	174.89	166.64			Y	593.01	488.80	464.93
		X	183.54	158.31	150.95			Z	581.09	479.33	455.90
		Y	174.45	150.82	143.85	2.261 to 2.510	1-1/2	XXX	1517.40	1375.66	1307.48
		Z	170.94	148.07	141.22	57.43mm to 63.75mm	38.1mm	XX	758.70	658.69	626.30
.511 to .825	15/16	XXX	471.93	411.12	390.90			X	716.32	622.46	591.86
12.98mm to 20.96mm	23.8mm	XX	235.97	200.56	190.96			Y	683.10	594.04	564.79
		X	212.38	181.49	172.97			Z	655.75	570.74	542.64
		Y	201.74	173.04	164.84	2.511 to 3.010	1-1/2	XXX	1946.03	1830.10	1740.28
		Z	197.69	169.64	161.64	63.78mm to 76.45mm	38.1mm	XX	984.52	886.65	843.96
.826 to 1.135	1-1/8	XXX	621.38	538.26	511.78			X	954.60	860.60	819.19
20.98mm to 28.83mm	28.6mm	XX	310.69	260.92	248.31			Y	920.64	831.09	791.15
		X	279.56	235.83	224.44			Z	894.90	821.56	782.12
		Y	265.55	224.44	213.75	3.011 to 3.510	1-1/2	XXX	2475.52	2317.07	2204.28
		Z	260.22	220.15	209.72	76.48mm to 89.15mm	38.1mm	XX	1262.81	1132.16	1078.58
1.136 to 1.344	1-5/16	XXX	835.99	720.46	685.15			X	1218.41	1092.73	1041.01
28.85mm to 34.14mm	33.3mm	XX	417.96	347.47	330.70			Y	1179.80	1058.68	1008.81
		X	376.18	313.67	298.56			Z	1135.60	1031.28	982.76
		Y	357.32	298.50	284.10	3.511 to 4.010	1-1/2	XXX	2813.00	2625.91	2497.62
		Z	350.18	292.74	278.66	89.18mm to 101.85mm	38.1mm	XX	1431.37	1278.70	1217.76
								X	1383.86	1243.24	1184.03
								Y	1333.13	1197.28	1140.44
								Z	1287.37	1162.46	1107.28
4.011 and Larger							Refer To Company With Requirements				