

# MASTER DISCS, STEEL & CHROME

**STYLE #1**



Bilateral (Split) tolerance

**STYLE #2**



Unilateral (GO plus NO GO minus)

**STYLE #3**



Bilateral (Split) tolerance

SIZE — RANGE	CLASS	TOLERANCE INCHES	STYLE #1			STYLE #2			STYLE #3		
			LGTH	STEEL	CHROME	LGTH	STEEL	CHROME	LGTH	STEEL	CHROME
.150 in. to .230 in. 3.81 mm to 5.84 mm	XX	.00002	22.2 mm	70.00	90.00	22.2 mm	119.00	154.00	11.1 mm	64.00	84.00
	X	.00004		52.00	68.00		88.00	116.00		48.00	62.00
	Y	.00007		43.00	62.00		79.00	103.00		44.00	58.00
.2301 in. to .365 in. 5.84 mm to 9.27 mm	XX	.00002	25.4 mm	72.00	94.00	25.4 mm	120.00	161.00	12.7 mm	65.00	85.00
	X	.00004		54.00	70.00		89.00	118.00		49.00	64.00
	Y	.00007		49.00	64.00		80.00	104.00		45.00	60.00
.3651 in. to .510 in. 9.27 mm to 12.95 mm	XX	.00002	28.6 mm	73.00	95.00	28.6 mm	121.00	156.00	14.3 mm	67.00	85.00
	X	.00004		53.00	71.00		92.00	120.00		50.00	65.00
	Y	.00007		50.00	65.00		84.00	109.00		46.00	70.00
.5101 in. to .825 in. 12.95 mm to 20.96 mm	XX	.00002	31.8 mm	75.00	98.00	31.8 mm	123.00	159.00	15.9 mm	68.00	89.00
	X	.00004		56.00	72.00		93.00	123.00		51.00	66.00
	Y	.00007		51.00	66.00		85.00	111.00		48.00	62.00
.8251 in. to 1.135 in. 20.96 mm to 28.83 mm	XX	.00003	34.9 mm	78.00	103.00	34.9 mm	136.00	176.00	17.5 mm	75.00	98.00
	X	.00006		60.00	79.00		102.00	132.00		56.00	72.00
	Y	.00009		59.00	78.00		100.00	129.00		52.00	68.00
1.1351 in. to 1.510 in. 28.83 mm to 38.35 mm	XX	.00003	41.3 mm	86.00	112.00	41.3 mm	149.00	194.00	20.6 mm	80.00	104.00
	X	.00006		64.00	84.00		112.00	147.00		59.00	77.00
	Y	.00009		60.00	79.00		100.00	129.00		54.00	68.00
1.5101 to 2.010 in. 38.35 mm to 51.05 mm	XX	.00004	47.6 mm	100.00	129.00	50.8 in.	169.00	219.00	22.2 mm	90.00	119.00
	X	.00008		75.00	98.00		126.00	165.00		68.00	89.00
	Y	.00012		64.00	84.00		114.00	148.00		60.00	79.00
2.0101 in. to 2.510 in. 51.05 mm to 63.75 mm	XX	.00004	50.8 mm	114.00	148.00	50.8 mm	198.00	258.00	22.2 mm	107.00	141.00
	X	.00008		84.00	109.00		147.00	191.00		81.00	105.00
	Y	.00012		77.00	98.00		127.00	166.00		68.00	89.00
2.5101 in. to 3.010 in. 63.75 mm to 76.45 mm	XX	.00005	50.8 mm	132.00	172.00	57.2 mm	229.00	298.00	25.4 mm	121.00	156.00
	X	.00010		103.00	133.00		170.00	220.00		89.00	118.00
	Y	.00015		86.00	112.00		146.00	190.00		78.00	101.00
3.0101 in. to 3.510 in. 76.45 mm to 89.15 mm	XX	.00005	50.8 mm	148.00	193.00	57.2 mm	270.00	351.00	25.4 mm	141.00	184.00
	X	.00010		112.00	147.00		203.00	262.00		106.00	139.00
	Y	.00015		100.00	129.00		175.00	229.00		88.00	115.00
3.5101 in. to 4.010 in. 89.15 mm to 101.85 mm	XX	.00005	54.0 mm	173.00	227.00	57.2 mm	289.00	376.00	25.4 mm	148.00	193.00
	X	.00010		129.00	169.00		229.00	298.00		121.00	156.00
	Y	.00015		112.00	147.00		195.00	255.00		103.00	133.00
4.0101 in. to 4.510 in. 101.85 mm to 114.55 mm	XX	.00005	54.0 mm	195.00	255.00	57.2 mm	316.00	411.00	25.4 mm	163.00	212.00
	X	.00010		148.00	193.00		250.00	324.00		128.00	167.00
	Y	.00015		129.00	169.00		222.00	289.00		118.00	153.00
4.5101 in. to 5.010 in. 114.55 mm to 127.25 mm	XX	.000065	54.0 mm	219.00	286.00	57.2 mm	337.00	438.00	25.4 mm	175.00	229.00
	X	.00013		167.00	217.00		270.00	351.00		143.00	186.00
	Y	.00019		148.00	193.00		242.00	316.00		129.00	166.00
5.0101 in. to 5.510 in. 127.25 mm to 139.95 mm	XX	.000065	54.0 mm	239.00	313.00	57.2 mm	364.00	474.00	25.4 mm	188.00	281.00
	X	.00013		185.00	240.00		297.00	386.00		153.00	199.00
	Y	.00019		167.00	217.00		270.00	351.00		140.00	182.00
5.5101 in. to 6.0100 in. 139.95 mm to 152.65 mm	XX	.000065	54.0 mm	256.00	333.00	57.2 mm	424.00	551.00	25.4 mm	198.00	258.00
	X	.00013		203.00	262.00		330.00	429.00		172.00	225.00
	Y	.00019		185.00	240.00		306.00	397.00		159.00	206.00

SIZE — RANGE	CLASS	TOLERANCE INCHES	STYLE #1			STYLE #2			STYLE #3		
			LGTH	STEEL	CHROME	LGTH	STEEL	CHROME	LGTH	STEEL	CHROME
6.0100 in. to 6.510 in. 152.65 mm to 165.35 mm	XX X Y	.000065 .00013 .00019	2½ in. 54.0 mm	278.00 225.00 205.00	362.00 292.00 266.00	21/4 in. 57.2 mm	430.00 367.00 340.00	560.00 478.00 441.00	1 in. 25.4 mm	217.00 188.00 173.00	282.00 232.00 226.00
6.5101 in. to 7.010 in. 165.35 mm to 178.05 mm	XX X Y	.00008 .00016 .00024	2½ in. 54.00 mm	298.00 241.00 225.00	387.00 315.00 292.00	21/4 in. 57.2 mm	438.00 388.00 362.00	568.00 505.00 470.00	1 in. 25.4 mm	222.00 196.00 181.00	288.00 255.00 235.00
7.0101 in. to 7.510 in. 178.05 mm to 190.75 mm	XX X Y	.00008 .00016 .00024	2½ in. 54.00	330.00 277.00 259.00	429.00 360.00 338.00	21/4 in. 57.2 mm	463.00 409.00 383.00	603.00 531.00 498.00	1 in. 25.4 mm	238.00 211.00 198.00	310.00 274.00 258.00
7.5101 in. to 8.010 in. 190.75 mm to 203.45 mm	XX X Y	.00008 .00016 .00024	2½ in. 54.0 mm	367.00 314.00 294.00	478.00 407.00 382.00	21/4 in. 57.2 mm	491.00 448.00 423.00	638.00 583.00 549.00	1 in. 25.4 mm	255.00 230.00 217.00	331.00 298.00 282.00
8.0101 in. to 8.510 in. 203.45 mm to 216.15 mm	XX X Y	.00008 .00016 .00024	<p style="text-align: center;"><b>Quantity Discounts:</b>  <b>Two identical sizes</b>  <b>- Less 10%.</b>  <b>Three or more identical</b>  <b>sizes - Less 15%</b></p> <p>For XXX add 100% to XX prices To 1.510".  1.5101-3" add 110% to XX prices.  Above 3" add 125%.</p> <p>Note: For the range above 1.510" to and including 8.510" A.G.D. standards for style #2 call for style #3 master discs separated by an A.G.D. separator plate and linked together with a tie rod and insulators.</p> <p>All Mid-Tech Gage Master Setting Discs are ring lapped to size and polished. Roundness and taper of all gages will not exceed 50% of the applicable gagemakers size tolerance and are non-accumulative.</p> <p>Unless specified: All inch master discs will be furnished with black insulators.</p> <p>Metric Master Discs will be furnished with yellow insulators.</p> <p>Red and green insulators are available on special order.</p>						1 in. 25.4 mm	285.00 254.00 247.00	370.00 358.00 320.00
8.5101 in. to 9.010 in. 216.15 mm to 228.85 mm	XX X Y	.00008 .00016 .00024							1 in. 25.4 mm	320.00 300.00 286.00	408.00 391.00 372.00
9.0101 in. to 9.510 in. 228.85 mm to 241.55 mm	XX X Y	.00010 .00020 .00030							1 in. 25.4 mm	380.00 337.00 322.00	493.00 438.00 419.00
9.5101 in. to 10.010 in. 241.55 mm to 254.25 mm	XX X Y	.00010 .00020 .00030							1 in. 25.4 mm	423.00 372.00 350.00	549.00 483.00 455.00
10.0101 in. to 10.510 in. 254.25 mm to 266.95 mm	XX X Y	.00010 .00020 .00030							1 in. 25.4 mm	467.00 423.00 394.00	607.00 549.00 512.00
10.5101 in. to 11.010 in. 266.95 mm to 279.65 mm	XX X Y	.00010 .00020 .00030							1 in. 25.4 mm	511.00 474.00 453.00	664.00 615.00 588.00
11.0101 in. to 11.510 in. 279.65 mm to 292.35 mm	XX X Y	.00010 .00020 .00030							1 in. 25.4 mm	562.00 519.00 496.00	493.00 674.00 645.00
11.5101 in. to 12.010 in. 292.35 mm to 305.05 mm	XX X Y	.00010 .00020 .00030							1 in. 25.4 mm	581.00 547.00 533.00	755.00 712.00 693.00
12.0101 in. to 12.510 in. 305.05 mm to 317.75 mm	XX X Y	.00015 .00030 .00045							1 in. 25.4 mm	634.00 606.00 584.00	825.00 787.00 759.00
12.5101 in. to 13.010 in. 317.75 mm to 330.45 mm	XX X Y	.00015 .00030 .00045							1 in. 25.4 mm	671.00 649.00 634.00	871.00 843.00 825.00
13.0101 in. to 13.510 in. 330.45 mm to 343.15 mm	XX X Y	.00015 .00030 .00045							1 in. 25.4 mm	730.00 708.00 686.00	949.00 921.00 892.00
13.5101 in. to 14.010 in. 343.15 mm to 355.85 mm	XX X Y	.00015 .00030 .00045							1 in. 25.4 mm	773.00 750.00 737.00	1005.00 975.00 958.00
14.0101 in. to 14.510 in. 355.85 mm to 368.55 mm	XX X Y	.00015 .00030 .00045							1 in. 25.4 mm	810.00 787.00 765.00	1052.00 1024.00 994.00
14.5101 in. to 14.750 in. 368.55 mm to 381.25 mm	XX X Y	.00015 .00030 .00045							1 in. 25.4 mm	846.00 825.00 800.00	1099.00 1072.00 1041.00

14.7501 and up = Price on Application