

# Tunings For Diatonic Harmonicas

## **7 Limit Just Intonation**

*Used on all Hohner diatonics (except for the Golden Melody and solo tuned harmonicas) until 1985. Just tuned version of the Suzuki Fabulous and the Hering 1923 Vintage Harps*

<b>BLOW</b>	0	-14	+2	0	-14	+2	0	-14	+2	0
<b>HOLE#</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>	<b>7</b>	<b>8</b>	<b>9</b>	<b>10</b>
<b>DRAW</b>	+4	+2	-12	+4	-29	+6	-12	+4	-29	+6

## **19 Limit Just Intonation**

*Used on Hohner Marine Bands and Special 20's until 1992, pre-1990 Old Standbys, Bends Juke, Hering Master Blues, and Hohner MS Series model Blue Midnight*

<b>BLOW</b>	0	-14	+2	0	-14	+2	0	-14	+2	0
<b>HOLE#</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>	<b>7</b>	<b>8</b>	<b>9</b>	<b>10</b>
<b>DRAW</b>	+4	+2	-12	+4	+1.5	+6	-12	+4	+1.5	+6

## **Hohner Compromise Tunings for the Marine Band, Marine Band Deluxe and Special 20 models since 1992**

<b>BLOW</b>	0	-12	+1	0	-12	+1	0	-12	+1	0
<b>HOLE#</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>	<b>7</b>	<b>8</b>	<b>9</b>	<b>10</b>
<b>DRAW</b>	+2	+1	-11	+2	-12	+3	-11	+2	-12	+3

## **Hohner Compromise Tunings for the MS Series (except for the Blue Midnight model)**

<b>BLOW</b>	0	-10	+1	0	-10	+1	0	-10	+1	0
<b>HOLE#</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>	<b>7</b>	<b>8</b>	<b>9</b>	<b>10</b>
<b>DRAW</b>	+2	+1	-9	+2	+3	+3	-9	+2	+3	+3

### Seydel Compromise Tuning

<b>BLOW</b>	0	-14	+2	0	-14	+2	0	-14	+2	0
<b>HOLE#</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>	<b>7</b>	<b>8</b>	<b>9</b>	<b>10</b>
<b>DRAW</b>	+4	+2	-12	+4	-2	+6	-12	+2	-2	+6

### Suzuki Manji Compromise Tuning

<b>BLOW</b>	0	-5	0	0	-5	0	0	-5	0	0
<b>HOLE#</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>	<b>7</b>	<b>8</b>	<b>9</b>	<b>10</b>
<b>DRAW</b>	0	0	-5	0	0	0	-5	0	0	0

### Marine Band Crossover Compromise Tuning

<b>BLOW</b>	0	-5	+1	0	-5	+1	0	-5	+1	0
<b>HOLE#</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>	<b>7</b>	<b>8</b>	<b>9</b>	<b>10</b>
<b>DRAW</b>	+1	+4	0	+1	+2	+1	0	+1	+2	+1

Please read an excerpt from a posting Steve Baker placed on Harp-L on this tuning:

*0=443Hz w. minimal air pressure, all deviations are in cents, 1Hz = approx. 4 cents on most tuners*

*Blow reed plate:*

*Root notes (1, 4, 7 & 10) tuned to 0*

*Thirds (2, 5 & 8) minus 5 cents*

*Fifths (3, 6 & 9) + 1 cent*

*Draw reed plate:*

*1-draw is very difficult to measure accurately. With absolutely minimal air pressure maybe +8 cents, more in low keys. Like that it will sound right with normal air pressure. It's essential that it sounds good when played together with 2-draw and as an octave interval with 4-draw.*

*2-draw + 4-6 cents depending on the key, at normal air pressure it should sound at the same pitch as 3-blow*

*3- & 7-draw tuned to 0*

*4- & 8-draw 1 cent higher than 2-draw (i.e. + 5-7 cents)*

*5- & 9-draw + 2 cents (this will mean the 7th chord sounds rough, but sounds better as a single note. You can even tune it a little higher if you prefer that sound)*

*6- & 10-draw 1 cent higher than 4-draw (i.e. + 6-8 cents)*

*It's highly recommended to check that all perfect intervals (octaves, fifths and fourths) sound without interference beats. This is what piano tuners do too. You'll find it's damnably difficult to obtain constant readings from your tuner and I can only recommend playing very softly indeed and holding the note for a long time so you get a fairly clear note value. I use a Korg MT-1200 tuner with a built-in spread which tunes the upper octaves slightly sharper (as do piano tuners) and use the smallest spread the machine offers. It's hard to work to this degree of accuracy with a tuner which only shows Hz values.*

*Hope this will be of assistance,*

*Steve Baker*

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