

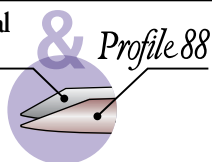
# Clarinet mouthpieces

## Bb

Ackerman Music



Traditional  
Break



& Profile 88



13<sup>TM</sup> Series American pitch  
Profile 88

The difference between "Profile 88" and Traditional mouthpieces is in the exterior angle of the beak.

Therefore, the musician is free to choose the model which suits his purpose in terms of best playing position, easiest sound projection, greatest playing comfort, and the most controllable and precise articulation.

Vandoren has developed the "13 series" mouthpiece specifically for American clarinetists using A440 pitch.

Four models have been originally developed with specific facings to this series: the M13, M13 Lyre, M15 and M30 mouthpieces.

The "13 series" range also encompasses other models (traditional facings): 5RV, 5RV Lyre, B45, B40, B40 Lyre and M30 Lyre.

	Traditional Beak	Profile 88	13 <sup>Series</sup> Profile 88	COMMENTS
<b>M13</b>			CM4138	Rich, colorful sound. Very precise response. Meets every demand.
<b>M13</b>			CM4158	More open, the same qualities as the M13, easier to play in the upper register. Its facing gives it a particularly pure sound.
<b>M15</b>	CM317	CM3178	CM4178	Great articulation ease. Offers musicians a colorful spectrum of sound.
<b>5RV</b>	CM301	CM3018	CM4018	The time-proven standard for professional musicians. Quality and tradition.
<b>5RV</b>	CM302	CM3028	CM4028	More open than the 5RV with a longer facing.
<b>NEW M30</b>	CM3001	CM30018	CM40018	The 5RV Lyre with a larger tip opening and a longer facing guarantees flexibility and roundness. This mouthpiece has an exceptional quality of sound.
<b>M30</b>	CM318	CM3188	CM4188	Its facing length gives it great flexibility, a good balance between timbre and roundness.
<b>11•6</b>	CM305	CM3058		Same sound qualities as the B45 with a smaller tip opening.
<b>B46</b>	CM306	CM3068		The mouthpiece best suited to musicians playing both clarinet and saxophone.
<b>B40</b>	CM319	CM3198	CM4198	The perfect blend between a round sound and rich tone color. Easy blowing especially in the upper register.
<b>B45</b> •	CM309	CM3098		Same technical characteristics as the B45 with a great blowing ease.
<b>B45</b>	CM308	CM3088	CM4088	The universal mouthpiece. With an intermediate tip opening and a medium-long facing, it is appreciated by most clarinetists.
<b>B40</b>	CM307	CM3078	CM4078	Same facing as the B45 with a wider tip rail, it produces a compact and centered sound.
<b>B45</b>	CM312	CM3128		Characterized by a particularly large tip opening, it offers a flexible, round sound and remains easy blowing.
<b>5JB</b>	CM310	CM3108		THE jazz mouthpiece.









*Vandoren*<sup>®</sup>  
PARIS

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### Technical Specifications

	Traditional Beak	Profile 88	13 Series Profile 88	TIP OPENING 1 / 100 MM	FACING LENGTH*	RECOMMENDED REED STRENGTHS		
								
<b>M13</b>			CM4138	100,5	L	3½ → 4	3½+ → 4½	3½+ → 5
<b>M13</b> 			CM4158	102 -	ML	3½ → 4	3½+ → 4½	3½+ → 5
<b>M15</b>	CM317	CM3178	CM4178	103,5	L	3½ → 5	3½+ → 5	4 → 5
<b>5RV</b>	CM301	CM3018	CM4018	106,5	MS	3 → 4	3½ → 4	3½ → 4
<b>5RV</b> 	CM302	CM3028	CM4028	109 +	M	3 → 4	3½ → 4	3½ → 4
<b>NEW M30</b> 	CM3001	CM30018	CM40018	113,5	L	3 → 4	3½ → 4	3½ → 4
<b>M30</b>	CM318	CM3188	CM4188	115	L	3 → 4	3½ → 4	3½ → 4
<b>11•6</b>	CM305	CM3058		116	MS	2½ → 3½	3 → 3½+	3 → 3½
<b>B46</b>	CM306	CM3068		117 +	M	2½ → 3½	3 → 3½+	3 → 3½+
<b>B40</b> 	CM319	CM3198	CM4198	117,5	L	2 → 3	2½ → 3	2½ → 3½
<b>B45 •</b>	CM309	CM3098		119,5	ML	2½ → 3½	3 → 3½+	3 → 3½
<b>B45</b>	CM308	CM3088	CM4088	119,5	ML	2½ → 3½	3 → 3½+	3 → 3½
<b>B40</b>	CM307	CM3078	CM4078	119,5	ML	2 → 3	2½ → 3½	2½ → 3½
<b>B45</b> 	CM312	CM3128		127	ML	2 → 3	2½ → 3½	2½ → 3½
<b>5JB</b>	CM310	CM3108		147	L	1½ → 2	2½	2½
<b>AT 45</b>	CM5088			119,5	ML	2½ → 3½	3 → 3½+	3 → 3½

\* L=Long • ML=Medium Long • M=Medium • MS=Medium Short

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