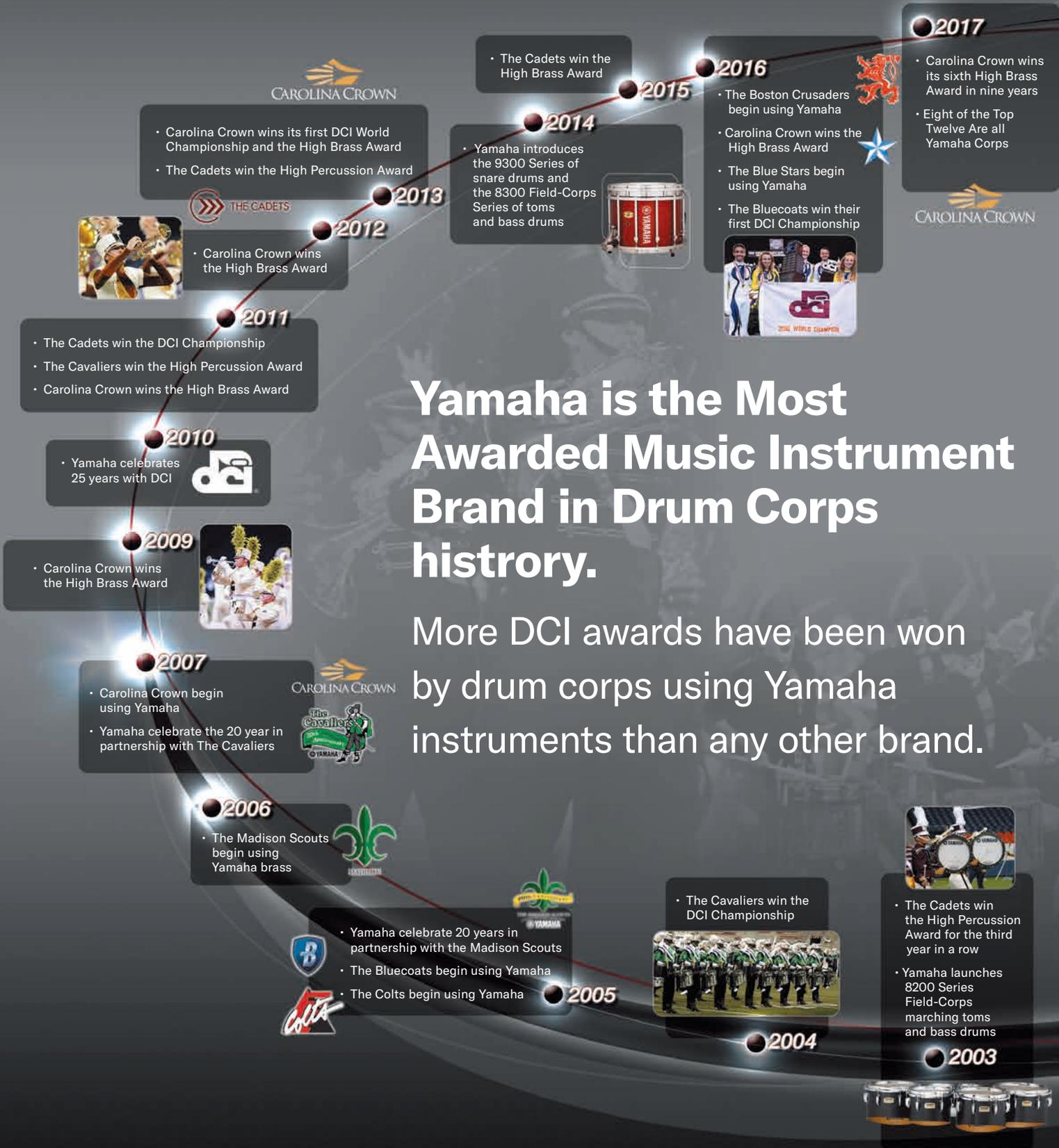


# MARCHING INSTRUMENTS



# YAMAHA HAS PROUDLY SUP IN DRUM CORPS



**Yamaha is the Most Awarded Music Instrument Brand in Drum Corps history.**

More DCI awards have been won by drum corps using Yamaha instruments than any other brand.

# PORTED MUSIC EDUCATION SINCE 1985

2018

- Santa Clara Vanguard wins its first DCI Championship and first High Brass Award using Yamaha



1985

- The Madison Scouts begin using Yamaha percussion
- First year of Yamaha marching percussion instruments in DCI



1986

- The Cavaliers begin using Yamaha



1988

- The Madison Scouts win the DCI Championship



1990

- Yamaha introduces the Corps-Custom marching snare drum



1992

- The Cavaliers win the DCI Championship and the High Percussion Award



1993

- Yamaha introduces the SFZ marching snare drum and the Black Forest line of percussion



1994

- Yamaha debuts the Red Forest line



1995

- The Cavaliers win the DCI Championship and High Percussion Award



1999

- Yamaha presents the first Multi-Frame for pit percussion instruments



2000

- The Cadets begin using Yamaha brass and win the High Brass Award; they're also named DCI Co-Champions
- The Cavaliers are named DCI Co-Champions and win the High Percussion Award
- Yamaha introduces the MTS marching snare drum



2001

- The Cavaliers begin using Yamaha brass and win the DCI Championship
- The Cadets begin using Yamaha percussion and win the High Percussion Award
- The Crossmen begin using Yamaha



2002

- The Cavaliers win the DCI Championship and High Brass Award
- The Cadets win the High Percussion Award for the second year in a row



12 High Brass Awards  
15 High Percussion Awards  
18 World Championships





# MARCHING PERCUSSION

Yamaha offers an extensive lineup of marching drums, from high-end instruments with refined sound and playability to basic models that provide an ideal introduction for beginners and young students. There are also keyboard and multi-frame percussion instruments that incorporate concert percussion technology and have been optimized for marching applications.

# FINISHES

## 《9414, 8300 SERIES》

### ▶ Wrap Finishes

Enhanced durability is achieved by using a PVC wrap for shell coloring. The wrap also subdues superfluous overtones, resulting in a clean, soft tone.



White [WH]

### ▶ Lacquer Finishes

Since no PVC wrap is applied, the shell can vibrate freely for a bright, clear tone.



Red Forest [RF]



Blue Forest [BU]



Black Forest [BF]

## 《6300, 4300 SERIES》

### ▶ Wrap Finishes

Enhanced durability is achieved by using a PVC wrap for shell coloring. The wrap also subdues superfluous overtones, resulting in a clean, soft tone.



White [WH]



Festive Red [FR]

# SHELLS

Materials carefully chosen for superior sonic properties, advanced shell forming technology, and a manufacturing process that is designed to ensure perfect roundness all contribute to excellent sound and response. Yamaha continues to be dedicated to the pursuit and production of outstanding musical tone.

## "AIR-SEAL SYSTEM" TECHNOLOGY

### Introduced by Yamaha 50 Years Ago

Shells and hoops are constructed using Yamaha's original Air-Seal System. Air pressure is used to achieve uniform thickness and roundness that is as close as possible to perfect, for excellent tone and durability.

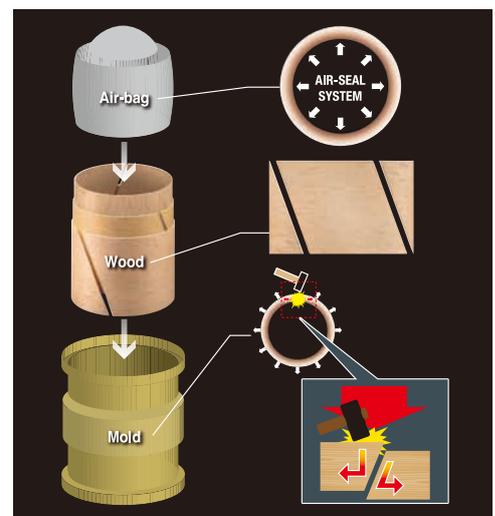
### The ply material is cut into parallelograms

The ply material is cut into parallelogram sections and hammered into the outer form. Because the edges run at an angle, outward pressure is uniform and optimum roundness is achieved. Multiple plies are fitted into the form while taking care that the edges do not overlap.

### Air-bag forming

An Air-bag is inserted into the form, inside the plies, and inflated to apply even pressure all around.

All Yamaha concert and marching drums are manufactured using this process.



## MICROWAVE HEATING

### Microwave Heating

A special microwave oven efficiently heats only the water content of the adhesive used on the shell plies without damaging the wood or causing deformation, thus maintain precise roundness and uniform thickness. The combination of Yamaha's Air-Seal System and this heating method produces drum shells of consistently high quality.

# 9414 SERIES

## SNARE DRUMS

### MS9414/MS9414S

The MS9414 Series delivers warm wood-shell tone as well as extraordinary clarity and presence. The weight of metal parts has been significantly reduced without compromising tone or durability, minimizing stress on players even during dynamic performances.



MS9414  
White [WH]



MS9414S  
White [WH]

Models	Sizes	Shells	Bolts	Batter/Bottom Heads	Weight
MS9414	14"x12"	Maple	12	Yamaha Remo White Max /	6.9kg
MS9414S	14"x9"	6-ply		Yamaha Remo Falams Snare Side	6.2kg

• Compatible with MSH9150(S), MSH8250 carriers.  
• Tuning key is included.



#### Aluminum Insert Ring

An aluminum ring on the inner surface of the shell supports high-tension tuning of the snare head.

#### Maple Shells

Maple shells have a solid track record with DCI and other major drum corps. Formed using the Yamaha Air Seal system, these tough maple shells offer excellent attack and wide dynamic range while delivering deep, rich tonality.



#### Head

A Yamaha Remo White Max top head is supplied as standard, providing a sound that is dry while being solid and powerful.

## SNARE DRUMS

### MS9414CH/MS9414SCH

A chrome finish is provided on MS9414CH and MS9414SCH hoops, suspension rings, tube lugs, sound posts, and other hardware, adding elegant visual appeal as well as durability.



MS9414CH  
White [WH]



MS9414SCH  
White [WH]

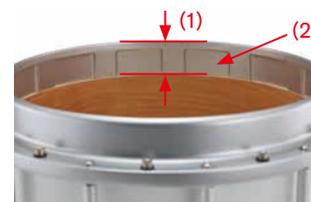
Models	Sizes	Shells	Bolts	Batter/Bottom Heads	Hardware	Weight
MS9414CH	14"x12"	Maple	12	Yamaha Remo White Max /	Chrome Plated	6.9kg
MS9414SCH	14"x9"	6-ply		Yamaha Remo Falams Snare Side	Aluminum Alloy	6.2kg

• Compatible with MSH9500(S) carriers.  
• Drum key is included.



#### Strainer Design

Strainer dimensions and knob shape have been revised to reduce slack and improve operability. The revised design also features a new snare guide that makes snare attachment easier than ever.



#### Reduced Weight

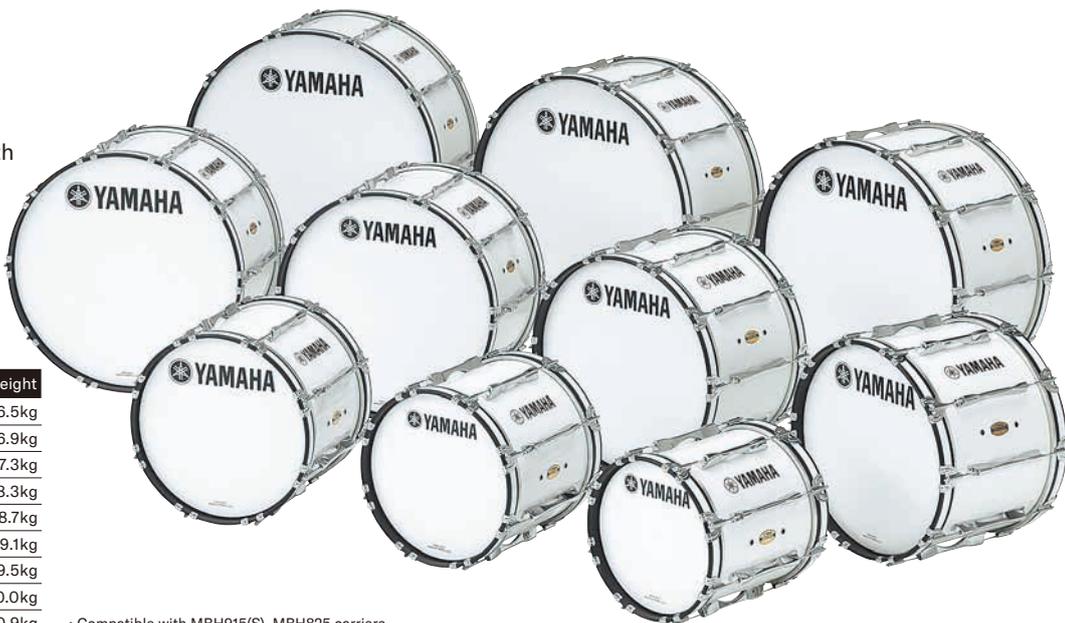
In addition to reduced suspension ring height (1), recesses in the top and bottom high-tension hoops and suspension ring (2) contribute to significant weight reduction. This minimizes stress on players, even throughout the most active performances.

# 8300 SERIES

## BASS DRUMS

### MB8314 - 8332

The MB8300 Series features maple shells and a consistent 14" shell depth throughout the lineup, adding solid power and presence to the bass line.



Models	Sizes	Shells	Bolts	Heads	Weight
MB8314	14"x14"	Maple 7-ply	8	Yamaha Remo Power Max	6.5kg
MB8316	16"x14"				6.9kg
MB8318	18"x14"				7.3kg
MB8320	20"x14"				8.3kg
MB8322	22"x14"				8.7kg
MB8324	24"x14"				9.1kg
MB8326	26"x14"				9.5kg
MB8328	28"x14"				10.0kg
MB8330	30"x14"	10.9kg			
MB8332	32"x14"	11.5kg			

- Compatible with MBH915(S), MBH825 carriers.
- Tuning key is included.
- MB8328/8330/8332 heads are sold separately in some regions.

#### Shell Design



All shells in the MB8300 Series are maple, and all have a 14" depth. Air hole size and location has been individually optimized for each drum size. Ample power and punchy bass is provided in relatively slim shells that are manageable and mobile.



#### Reinforced Tension Bolts

Specially processed tension bolts provide increased strength that can easily handle high tension tuning.



#### Heads

The supplied heads feature internal ring mutes that control resonance while delivering solid bass to the audience.

## TOMS

### QD8313/QT8313/ST8313

The 8300 Series features a new design with an extra deep cut as well as support for high-tension tuning.



QD8313  
White [WH]



#### High Tension Tuning Supported

In addition to an aluminum insert ring inside the shell (on all except the 6" model), large washers are provided below the lugs to allow high-tension tuning. Shell deformation is prevented, and pitch remains stable.



#### Deep Cut

The shell is notably deeper than normal, for stunning power and projection.

#### Ultra Hoop

2.3mm steel Ultra Hoop with unique inward profile helps to protect the bearing edge from mallet sweeps.



#### Heads

This head is an ideal choice for high tension tuning, bringing out the full resonance of the shell.



QT8313  
White [WH]

ST8313  
White [WH]

Types	Models	Sizes	Shells	Heads	Weight
Quad	QD8313	8"+10"+12"+13"	Maple 6-ply	Yamaha Remo	11.2kg
Quint	QT8313	6"+8"+10"+12"+13"		Clear Pinstripe	11.7kg
Sextet	ST8313	6"+6"+8"+10"+12"+13"		Climplock	12.2kg

- Compatible with MTH910(S), MTH825 carriers.
- Tuning key is included.
- The interior shell finishes of the White and Natural Gloss models are natural. All other models have black interior finishes.

# 6300 SERIES

## SNARE DRUMS

### MS6313/MS6314

Lighter and better sounding than ever, these models feature birch ply shells and straight cable snares that contribute to wide dynamic range and richly nuanced tone.

#### Straight Cable Strainer

The straight cable strainer delivers a more musical snare sound with a wider range of expression.



MS6313  
White [WH]



MS6314  
Festive Red [FR]

Models	Sizes	Shells	Bolts	Batter/Bottom Heads	Weight
MS6313	13"x11"	Birch Ply	8	Yamaha Remo UT C3 /	4.4kg
MS6314	14"x12"	6-ply	10	Yamaha Remo UT Snare Ambassador	5.1kg

• Compatible with MSH9150(S), MSH8250, MSH420 carriers.  
• Tuning key and ring mute are included.

## BASS DRUMS

### MB6316 - 6326

Internal mutes are just one of the features that add up to solid sound with reduced weight. The lineup includes six sizes to meet the needs of just about any band.

#### Heads with Ring Mute

Heads incorporate a ring mute on the inner surface of the head to eliminate unwanted overtones and deliver greater sustain. (MB6300/4000 Series)



MB6316~6326  
White [WH]

Models	Sizes	Shells	Bolts	Heads	Weight
MB6316	16"x13"				6.2kg
MB6318	18"x13"				6.7kg
MB6320	20"x13"	Birch Ply	8	Yamaha Remo UT	7.2kg
MB6322	22"x13"	6-ply		Power Stroke	7.8kg
MB6324	24"x13"				8.2kg
MB6326	26"x13"		10		9.4kg

• Compatible with MBH915(S), MBH825, MBH425 carriers.  
• Tuning key is included.

## TOMS

### QD6312/QD6313

The Super Projection Cut helps to achieve extraordinary projection and a high-pitch sound.



QD6312  
Festive Red [FR]

QD6313  
White [WH]

Types	Models	Sizes	Shells	Heads	Weight
Quad	QD6312	6"+8"+10"+12"	Birch Ply	Yamaha Remo UT	6.6kg
	QD6313	8"+10"+12"+13"	6-ply	Batter Ambassador	7.9kg

• Compatible with MTH6200, MTH420 carriers.  
• Tuning key is included.

# 4000 SERIES

## SNARE DRUMS

### MS4012/MS4013

## TENOR DRUMS

### MT4012/MT4013

Birch shells deliver outstanding tone indoors or out. A choice of 12" and 13" models makes it easy to accommodate the stature of any young player.

Types	Models	Sizes	Shells	Bolts	Batter/Bottom Heads	Weight
Snare Drums	MS4012	12"×10"	Birch Ply 4-ply	6	Yamaha Remo UT C3 /	3.2kg
	MS4013	13"×10"		8	Yamaha Remo UT Snare Ambassador	3.6kg
Tenor Drums	MT4012	12"×10"	Birch Ply 4-ply	6	Yamaha Remo UT C3 /	3.0kg
	MT4013	13"×10"		8	Yamaha Remo UT Batter Ambassador	3.3kg

- Compatible with MSH420 carriers.
- Tuning key and ring mute are included.



MS4012  
Festive Red [FR]



MT4013  
White [WH]



### Snare Stand SS662

The ideal stand for a 12" snare.

- Height : 43-62cm

## BASS DRUMS

### MB4016 - 4026

These entry models feature internal mutes that are similar to those in the MB6300 series, offering an excellent balance of light weight and outstanding sound.



MB4016 - 4026  
White [WH]

Models	Sizes	Shells	Bolts	Heads	Weight
MB4016	16"×10"	Birch Ply 4-ply	6	Yamaha Remo UT Power Stroke	4.2kg
MB4018	18"×10"				4.5kg
MB4020	20"×10"	Birch Ply 4-ply	8	Yamaha Remo UT Power Stroke	5.0kg
MB4022	22"×10"				5.8kg
MB4024	24"×10"	Birch Ply 4-ply	8	Yamaha Remo UT Power Stroke	6.1kg
MB4026	26"×12"				7.0kg

- Compatible with MBH425 carriers.
- Tuning key is included.

## TRIO

### TR4012

The same Super Projection Cut as in the high-end models achieves superb projection.

Types	Models	Sizes	Shells	Heads	Weight
Trio	TR4012	8"×10"×12"	Birch Ply 4-ply	Yamaha Remo UT Batter Ambassador	4.3kg

- Compatible with MTH420 carriers.
- Tuning key is included.



TR4012  
Festive Red [FR]

# KEYBOARD PERCUSSION

Not available in some regions.

## BELLS

### MBL832A

F57 - C88 (2 1/2 octaves)

High-strength aluminum alloy tone bars are shot blasted and finished in Alumite, resulting in clear, well-defined tone. As in our concert glockenspiel, contact between the bars and suspension strings is reduced to a minimum to ensure full resonance.



## BELLS

### MBL32A

F57 - C88 (2 1/2 octaves)

High-strength aluminum alloy bars in an instrument ideally proportioned for marching.



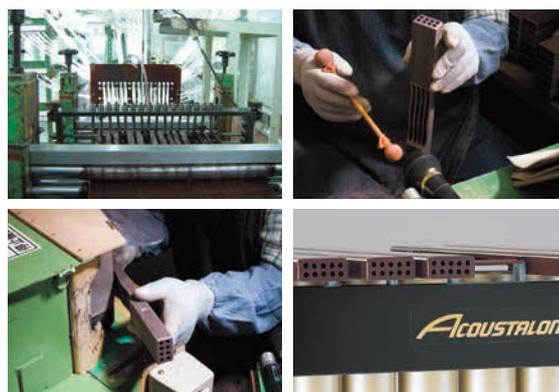
Models	Bars	Finish	Bar Thickness	Bar Size	Weight	Compatible Carriers
MBL832A	Aluminum Alloy	Satin Finish	10.3mm	32.0mm	7.5kg	MKH8200, MKH4200
MBL32A	Aluminum Alloy	Mirror Finish	8.3mm	27.7mm	4.5kg	MKH8200, MKH4200

\* Mallet (ME10W) is included.

## ACOUSTALON™ FRP MATERIAL REPLACES ENDANGERED WOODS AND IS IDEAL FOR OUTDOOR USE

To develop materials that can effectively replace rosewood and other rare woods, Yamaha engineers employed an advanced finite element method (FEM)\* to analyze the resonance characteristics of traditional marimba and xylophone bars. The result was Acoustalon™ FRP, an innovative material that has been used in instruments since 1985. FRP (Fiber Reinforced Plastic) is a composite in which glass fibers are embedded in a plastic resin. By arranging the fibers like the grain in natural wood it is possible to achieve tone and response that are similar to rosewood.

Acoustalon™ has allowed Yamaha to reduce the amount of rare wood used in musical instruments. Acoustalon™ offers some significant advantages too. It is not affected as much by changes in temperature and humidity that can negatively affect the sonic characteristics of natural wood. This stability is particularly important for outdoor performances, ensuring that consistent pitch and tone are maintained under strong sunlight or cloudy skies. Yamaha continues to design instruments using traditional materials while simultaneously working to develop new materials that have equal musical potential. The goal is to protect our endangered species while offering musical instruments of the highest quality.



\* Finite element method (FEM) or finite element analysis (FEA) is a numerical technique used for analyzing structure and strength characteristics.

# DRUM STANDS

Not available in some regions.

## SNARE STAND MSS810A



## BASS STAND MBS810A



## TOM STAND MTS810B



## TOM STAND MTS410A



Models	Size	Compatible Models	Weight
MSS810A	ℓ=470-720mm	Marching Snare and Tenor Drums(13" and 14")	3.9kg
MBS810A	ℓ=740-1090mm	MB8300/6300/4000 Series	5.7kg
MTS810B	ℓ=710-810mm	QD/QT/ST8313, QD6300 Series*	4.8kg
MTS410A	ℓ=620-790mm	QD6300, TR4000 Series	2.5kg

\* A separate MTH6200 attachment is required for use with QD6300 Series.

# CARRIERS

## 9500 SERIES

Our designers have implemented feedback from countless user interviews in products designed to provide ultimate ease of use. High quality washable pads and waist belts improve fit and comfort, while refined adjustment mechanisms provide new setup freedom. The new models are finished in black and can be worn over uniforms without detracting from their visual impact.

### SNARE/TENOR CARRIERS

Models	Size	Compatible Models	Weight
<b>MSH9500</b>	∅=530 - 640mm	MS(MSS)9000 Series MS6300,600 Series *	3.6kg
<b>MSH9500S</b>	∅=440- 550mm	MS/MT4000 Series * MS800 Series *	3.4kg
<b>MSH420</b>	∅=446 - 598mm	MS4000, MT4000 MS6300 Series	1.8kg

\* An optional MSAT600 is required for use with MS6300,600,800, MS/MT4000 Series. Refer to the "MSAT600 Tongue Plate for MSH9500" on page 13.



### BASS CARRIERS

Models	Size	Compatible Models	Weight
<b>MBH9500</b>	∅=530- 640mm	MB8300,800 Series MB6300,600 Series	2.9kg
<b>MBH9500S</b>	∅=440- 550mm	MB4000 MB6300 Series	2.8kg
<b>MBH425</b>	∅=446- 598mm	MB4000 MB6300 Series	1.8kg



### TOM CARRIERS

Models	Size	Compatible Models	Weight
<b>MTH9500</b>	∅=530- 640mm	QD/QT/ST 8300,8130,813F Series *	2.9kg
<b>MTH9500S</b>	∅=440- 550mm	QD6300 Series *	2.8kg
<b>MTH420</b>	∅=446- 598mm	TR4000, QD6300 Series	1.8kg

\* Attachment assy multi tom set1 is required for use with old multi tom. Refer to the "Changes to Related Products for MTH9500 Compatibility" on page 13.



### BELL/XYLOPHONE CARRIERS

Models	Size	Compatible Models	Weight
<b>MKH9500</b>	∅=530- 640mm	MBL32A/832A MXL32AF	4.1kg
<b>MKH9500S</b>	∅=440- 550mm	MBL32A/832A MXL32AF	4.0kg
<b>MKH4200</b>	∅=446- 598mm	MBL32A/832A MXL32AF	3.5kg





### Adjustment features

Adjustment mechanisms provided for the belly plate, chest plate, and arm attachment sections make it easy to achieve an optimum fit for users with a wide range of body shapes, while also allowing easy adjustment of instrument height to suit personal preference and maximize playability.



### High-performance pads

To improve fit and comfort the belly pad, shoulder pads, and waist belt employ a high-resilience pad material. With high reliability and minimal degradation over time, plus excellent antibacterial properties, this same material is used for medical applications where quality is critical. Hook-and-loop fasteners allow easy removal and reattachment for laundering at home.



### Waist belt with quick-action buckle

In addition to being supported on the player's shoulders, a waist belt that adds extra support and stability is provided. The instrument is stably held to ensure consistent playability even through dynamic marching and dance moves. The belt and pads significantly reduce stress on the user's body, reducing fatigue during long practice sessions and performances. A central quick-action buckle makes attachment and detachment easy, and hook-and-loop fasteners are provided to secure excess belt material during use.

Slide attachment  
(Instrument-side)



### "MSAT600" Tongue Plate for MSH9500

The MSH9500 can be used with MS6300/MS4000/MS2000 series instruments that do not have long tubes via an optional MSAT600 tongue plate secured to the MSH9500 attachment with the supplied screws. A standard screwdriver is required for installation.



### "MBARMHP1418" High Position Arms for MBH9500

These high position arms allow small 14" to 18" bass drums to be mounted higher on the carrier so that the playing position is closer to the player's face.



### Aluminum arms

New aluminum arms replace the conventional iron types, for a significant reduction in weight. To ensure ample strength for a range of instruments, arm diameter has been increased by 2 mm from the previous model to 14mm.



### Instrument angle adjustment screw (MSH, MKH)

In previous models it was necessary to remove the instrument from the carrier in order to change its angle. In the new model an adjustment screw allows the angle of the playing surface to be adjusted as required while the instrument remains attached to the carrier.



### Memory clamps

Once the angle and height of the arms are set as required, the memory clamps retain those settings even when the arms are folded for storage. Ideal angle and height can be quickly restored the next time the carrier is used. It is also easy to adjust height even after the arm angles have been set.



### Changes to Related Products for MTH9500 Compatibility

Some specification changes to related products have been required to match the updated specifications of the MTH9500.

The rod receivers on the Multi-Tom attachment has been modified to accept the larger diameter of the MTH9500 rods.

The following part will be required for old Multi-Tom users who wish to use their instrument with a new carrier.

Part name: Attachment assy multi tom set1  
Part number: ZY417800 (left/right set)

# MULTI-FRAME PERCUSSION

Not available in some regions.

## MARIMBAS

### YMRD2400

SPECIAL ORDER

A25 - C79 (4 1/3 octaves)



### RD2400

SPECIAL ORDER

\* Separate YMRD2400 frame.



Models	Bars	Bar Thickness	Bar Size	Height	Casters
YMRD2400	Acoustalon (FRP)	23mm	38-58mm	89-104cm(Gas Spring System)	φ150mm

RDC10 (4 pieces) are included.

Models	Height	Casters
RD2400	89-104cm(Gas Spring System)	φ150mm

## XYLOPHONES

### YX500FT

SPECIAL ORDER

F45 - C88 (3 1/2 octaves)



### RD500

SPECIAL ORDER



Models	Bars	Bar Thickness	Bar Size	Casters
YX500FT	Acoustalon (FRP)	23mm	38mm	φ150mm

Models	Height	Casters
RD500	85-100cm(Gas Spring System)	φ150mm

RDC10 (4 pieces) are included.

The photo shows the YX500FT mounted on the RD500.

## VIBRAPHONES

### YVRD2700/2700G

SPECIAL ORDER

F33 - F69 (3 octaves)



YVRD2700G

Models	Bars	Bar Thickness	Bar Size	Height	Casters
YVRD2700	Silver Satin Finish Aluminum Alloy	13mm	39-57	81-96cm (Gas Spring System)	φ150mm
YVRD2700G	Gold Mirror Finish Aluminium Alloy		mm		

RDC10(4pieces) are included.

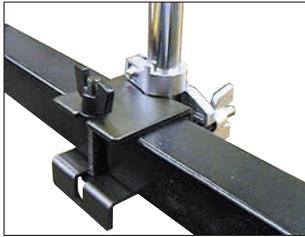
## MULTI-FRAME PERCUSSION CLAMP

### RDC10

SPECIAL ORDER

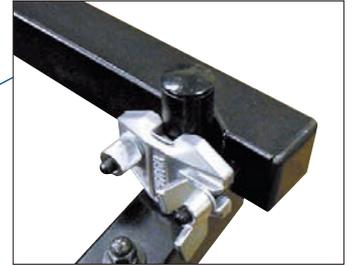


## YMRD2400 FEATURE



### Multi-Frame Percussion Clamp RDC10

Specifically designed to clamp securely to a square cross-section.



### Easy Assembly

The rack is a simple structure consisting of just four components: the left and right legs, brace, and rack pipe (for attaching optional instruments). The whole assembly goes together quickly and easily with clamps.



### Gas Spring Height Adjustment

Gas spring assisted height adjustment is extremely smooth. A 15-centimeter adjustment range makes it easy to set the most comfortable height.



### Add Optional Instruments

Optional instruments can be attached not only to the audience side of the frame, but to the right and left sides as well for extra setup flexibility.



### Rugged Design

The legs and support structure have been built for maximum strength, and a design that encloses the instrument protects the instrument's vital bars and pipes.

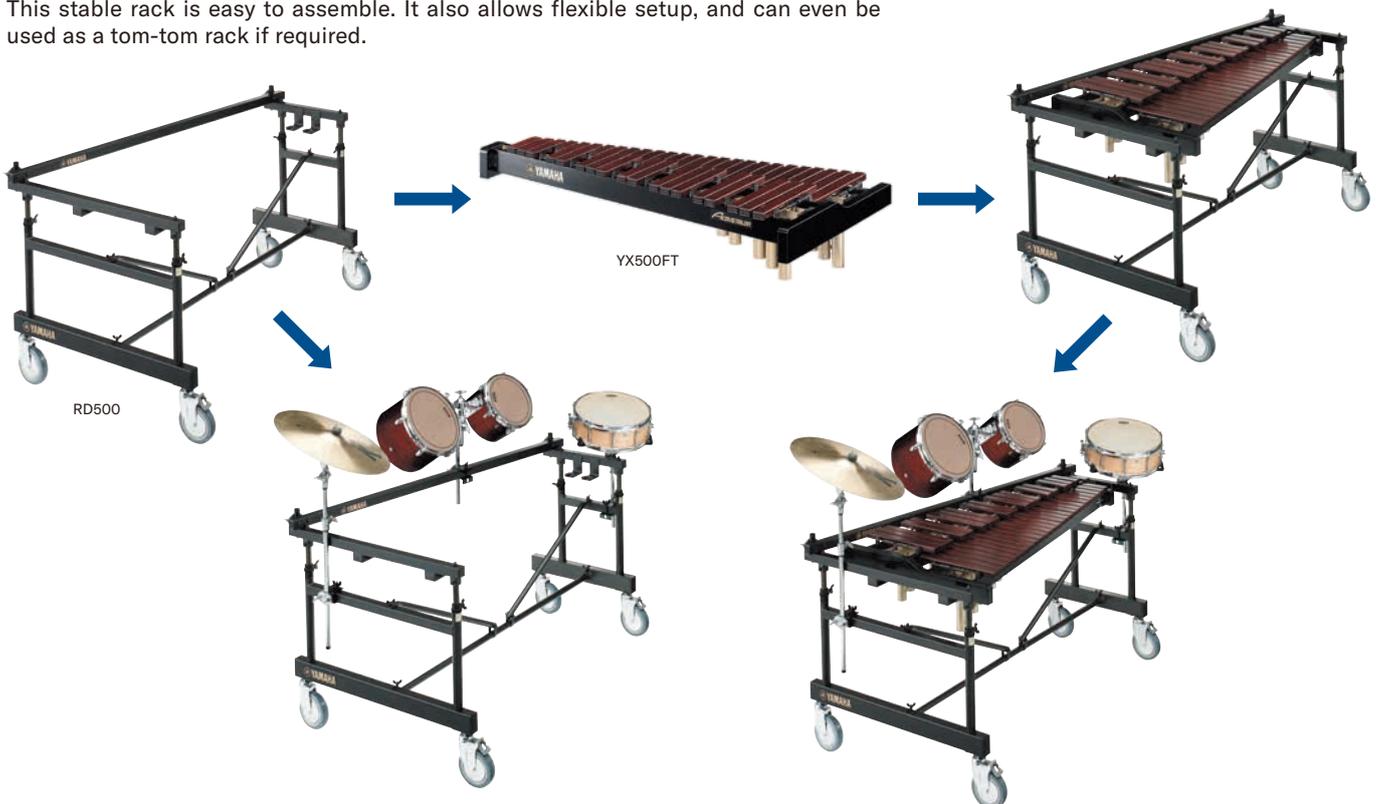


### Large Casters

Large casters with a diameter of 150 millimeters enhance portability. Double stoppers prevent unwanted movement.

## RD500 FEATURE

This stable rack is easy to assemble. It also allows flexible setup, and can even be used as a tom-tom rack if required.





# MARCHING BRASS

Yamaha marching brass instruments have long been favorites with world-class bands, including DCI (Drum Corps International) champions. Specifications and quality have been refined to a high level through repeated field tests at actual competitions, resulting in instruments that offer everything leading bands need to perform at their very best. Yamaha wind instrument manufacturing expertise is behind brass instruments that bring extraordinary tone together with lightweight comfort and balance. Quite simply: unrivalled sound and playability.

# MARCHING BRASS



YMP204MS

## MELLOPHONES YMP204MS/204M



YHR302MS

## FRENCH HORNS YHR302MS/302M



YBH301MS

## BARITONES YBH301MS/301M



YEP201MS

## CONVERTIBLE EUPHONIUMS YEP201MS/201M



YEP202MS

## EUPHONIUMS YEP202MS/202M

	Models	Key	Valves	Bore Size	Bell Size	Material	Finish	Weight	Length	Mouthpiece
Mellophones	YMP204MS	F		11.73mm	268.5mm		Silver-plated	1.6kg	438mm	MP14F4
	YMP204M			11.73mm	268.5mm		Clear Lacquer	1.6kg		
French Horns	YHR302MS			12.0mm	257mm		Silver-plated	1.6kg	471mm	HR30C4
	YHR302M			12.0mm	257mm		Clear Lacquer	1.6kg		
Baritones	YBH301MS	3 Pistons		14.5mm	254mm	Yellow Brass	Silver-plated	2.5kg	501mm	SL48L
	YBH301M			14.5mm	254mm		Clear Lacquer	2.5kg		
Euphoniums	YEP201MS	B <sup>♭</sup>		14.5mm	280mm		Silver-plated	3.5kg	662mm	SL48S
	YEP201M			14.5mm	280mm		Clear Lacquer	3.5kg		
	YEP202MS			14.5mm	300mm		Silver-plated	3.3kg	602mm	SL51L
	YEP202M			14.5mm	300mm		Clear Lacquer	3.3kg		



YBB105MS

**CONVERTIBLE BB<sup>b</sup> TUBAS  
YBB105MS/105M**



YBB201MS

**CONVERTIBLE BB<sup>b</sup> TUBAS  
YBB201MS/201M**



YBB202MS

**BB<sup>b</sup> TUBAS  
YBB202MS/202M**

Models	Key	Valves	Bore Size	Bell Size	Material	Finish	Weight	Length	Mouthpiece	
YBB105MS	BB <sup>b</sup>	Vertical 3 Pistons	16.8mm	366mm	Silver-plated	6.2kg	827mm	BB67		
YBB105M			16.8mm	366mm		Clear Lacquer			6.2kg	
YBB201MS			18.5mm	443mm	Silver-plated	9.0kg				
YBB201M			18.5mm	443mm	Clear Lacquer	9.0kg				
YBB202MS			18.5mm	500mm	Silver-plated	9.3kg			1,052mm	BB67C4
YBB202M			18.5mm	500mm	Clear Lacquer	9.3kg				



YSH301



YSH411S

## SOUSAPHONES YSH301/301S

## SOUSAPHONES YSH411S/411

	Models	Key	Valves	Bore Size	Bell Size	Material	Finish	Weight	Mouthpiece
Sousaphones	YSH301	BB <sup>b</sup>	3 Pistons	18.5mm	663mm	ABS Resin Bell, FRP Body	Clear Lacquer (Slides, Valve Casing and Leadpipe)	9.1kg	BB67C4
	YSH301S			18.5mm	663mm		Silver-plated (Slides, Valve Casing and Leadpipe)	9.1kg	
	YSH411S			18.5mm	660mm	Yellow Brass	Silver-plated	12.5kg	
	YSH411			18.5mm	660mm		Clear Lacquer	12.5kg	

### A LEAD-FREE FUTURE WITH YAMAHA WIND INSTRUMENTS

Yamaha wind instruments except gold flutes are constructed using 100% lead-free solder.

#### **LEAD FREE SOLDER**

By the time RoHS (Restriction of Hazardous Substances directive) came into effect in July 2006, the use of lead-free solders had become common throughout the manufacturing sector. While wind instruments were exempt from the regulation, we chose to switch as well, making Yamaha the first company to bring lead-free solder to wind instruments.

Before we could use lead-free solder however, a number of issues had to be addressed, such effects on sound quality, improving technical accuracy, and developing new manufacturing procedures. After six years of in depth research and development, our objectives have been met making the instruments we manufacture deliver sound quality that is better than ever. Lead-free solder is also being used for wind instrument maintenance in both our domestic and overseas operations.

Looking to the future, we at Yamaha will continue creating and manufacturing wind instruments with an emphasis on sound and music, mankind and the environment.





- Specifications are subject to change without notice.
- Colors shown in this catalog may not be represented exactly as the original colors due to printing process involved.
- Some models are not available in some regions. Please contact your dealers for more information.

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