

POLO CATALOGUE

B B

THE HANDMADE ORIGINAL

www.BOMBERS.CO.ZA



ABOUT US

Bombers has been developing quality equine products for over 30 years. Our focus is on providing innovative solutions to riders' challenging problems, particularly in the area of biting. Coupling that innovation with handmade quality, attention to detail and testing by world renowned riders, has resulted in world-class horse products... and not just bits. The results are truly astounding, as insistent users attest! This successful formula has now been applied to a variety of disciplines including Cutting & Campdrafting, Dressage, Endurance, Icelandic, Polo, Polocrosse, Pony Showing, Racing, Saddlebred and Show Jumping.

“PRESSURE = RESISTANCE” “RESISTANCE = LACK OF CONTROL”

A horse is an animal of flight - it will never yield to pressure or pain it will either move away from it or run away.

Therefore Pressure = Resistance = Lack of Control. To obtain control we need to remove the resistance.

To remove the resistance one must remove the pressure or distribute the pressure over a larger surface area.



BOMBERS LIFETIME GUARANTEE

The Bombers lifetime guarantee covers all stainless steel, sweet iron and brass products from manufacturing defects in materials and workmanship for the lifetime of the product. Bombers will repair or replace at its discretion any manufacturing defect in these products free of charge. The bombers lifetime guarantee does not cover damage caused by accident, improper care or cleaning, non-standard usage, negligence or unauthorised alterations.

CAUTIONARY WARNING FROM THE MANUFACTURER

Horse riding is an action sport, the riders safety greatly depends on the integrity of the equipment, bits are hard wearing items but please remember to always check your equipment before saddling up... happy riding!



OUR WORKSPACE

BOMBER INVITES YOU TO HAVE A LOOK AROUND OUR WORKSPACE AND SEE THE MANY HANDS BEHIND THE BOMBERS BRAND



BOMBERS BITS



THE HANDMADE ORIGINAL

WWW.BOMBERS.CO.ZA

We have made some very important changes to our handcrafted bits which is why they are so well received by the horses. The sweet iron is warmer than stainless steel, it encourages salivation, the curved mouth pieces reduce tongue pressure, the links are small and offset thus relieving a pressure point on the tongue.

With our thorough understanding of the mechanics of the various cheek pieces and mouth pieces we can correct negative action of the horse's head and we can also position the head correctly.



A Bomber bit is entirely handcrafted. All the component parts are welded, formed and ground by hand. The sweet iron after treatment, gives off a striking and attractive deep blue tint. The finishing touch: the size and brand name are stamped on the left hand side of the bit.



Sweet Iron will oxidize when it comes into contact with moisture; this oxidation process encourages salivation which improves acceptance of the bit. This process changes the blue colour of the Bomber bit to a brownish grey. If not used for a while, any build-up may be removed with a scourer and wiped with a damp cloth.



A bit is a tool and as such comes in many designs and sizes to meet the needs of the horse, rider and the discipline being ridden. Here at Bombers we make possibly the most extensive range in the world. Some of the bits can be used for most applications, while others may only be used in one unique situation. It is our intention to get you the right bit for you and your horse.

PRESSURE POINT SEVERITY

TOTAL PRESSURE



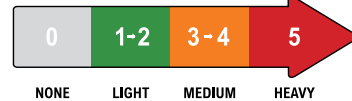
GREY

Utilises no pressure, the optimum case however this is not realistic in every situation.

GREEN

Registers a light pressure, applied over a large surface area to achieve a better positioning of the head.

SINGLE PRESSURE



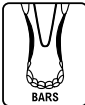
ORANGE

Indicates that medium pressure is being applied to correct a problem or to achieve necessary control.

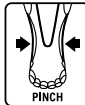
RED

Is the maximum pressure, the rider should be cautious and question this use.

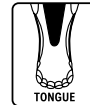
MOUTH PRESSURE POINTS



Bar pressure is applied by most mouth pieces and is generally accepted by the horse, bringing the head down.



The pinch or nutcracker action of a single break mouth piece such as a conventional snaffle will put heavy pressure on the side of the bars causing the head to lift. A curved or 3 piece mouth piece relieves this nutcracker action slightly, making it more accepted. A solid mouth piece will remove this action.

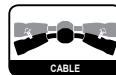


Tongue pressure is accepted by most horses and will bring the head down.

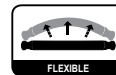
TYPES OF MOUTHPIECES



The mouthpiece is fixed between cheek pieces, optionally offering tongue relief in the form of a port.



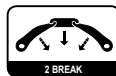
Removes the centre links, creating a smooth more comfortable mouthpiece with some rigidity which limits the nutcracker effect. There is some spring back which offers quick release from pressure. The cable allows for some lateral independence between each rein.



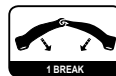
Flexible mouthpieces wrap around the horse's tongue and bars spreading the pressure:



The joint is hindered in making its full movement, thereby limiting the bit's action and lessening the pinch.



Double break bits have a middle component that sits on the tongue. Some extent of pinch will occur.



When applied the single break snaffle pinches the bars and tongue raising the head.

MOUTHPIECES

SOLID

The mouthpiece is fixed between cheek pieces, optionally offering tongue relief in the form of a wide port.



CODE	WIDTH	THICKNESS
BB00	125	B18/10 or B16/09



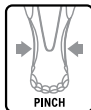
SPECIALISATIONS



SWIVEL



CODE	WIDTH	THICKNESS
BBMU	125	B18



BOMBER BLUE



Our first choice for starting any young horse, it is easily accepted, it gives tongue relieve, it's light, non-metal and encourages salivation. If in doubt go with the B16/09 to ensure a good fit.



The Bomber Blue is a unique bit which produces amazing results for the majority of horses. The mouthpiece is ported to give tongue relief. The nylon composite material is light in the mouth and encourages salivation. It is particularly well suited to horses that object to metal mouth pieces.

The B16/09 mouthpiece has a slightly narrower port than the B18/10, designed for the horse with a narrow jaw, this ensures accurate fitting over the bars and eliminates the rocking movement which occurs when the port is too wide.

BOMBER BLUE MULLEN

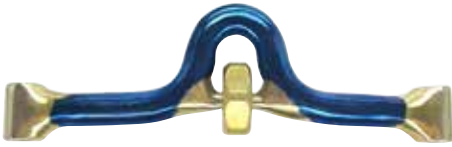


This is Bomber's version of the vulcanite pelham, it is lighter and stronger and would be recommended for the older horse.

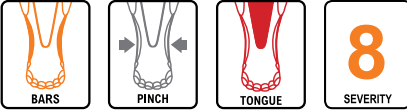


The Mullen distributes pressure evenly over all the structures of the mouth, while this avoids pressure points, it does make the Mullen a fairly strong bit. The material used allows the bit to remain light and it encourages salivation. It is particularly well suited to horses that object to metal mouth pieces.

COSCOJERO



CODE	WIDTH	THICKNESS
CS00	125	B14



A well-known Argentinian mouth-piece, this is a strong bit and Bomber would prefer to recommend an alternative, however we find that some horses respond well to this, particularly the older horse that accepts tongue pressure

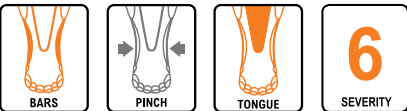


This solid mouth piece is slightly curved with a high port and loosely rotating roller set into the port. Strong pressure is applied to the tongue, bars and palate and when combined with the Pelham cheek piece poll pressure is applied and the chain applies curb pressure making this a very strong bit.

GAVIN CHAPLIN



CODE	WIDTH	THICKNESS
GC00	125	B14



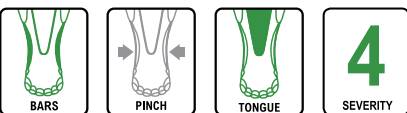
Generally we would recommend tongue relief bits to overcome the problem of the horse putting its tongue over the bit, however this mouth piece offers a solution.

Visit GavSays.com to meet the man behind this particular design.



CODE	WIDTH	THICKNESS
HT06	125	B16/10
NT06	125	B16/10

*B16 over the bars & B10 over the tongue



HAPPY / NARROW TONGUE

This is by far our most successful design - we recommend for all young horses and those that show tongue sensitive signs. If in doubt go with the Narrow Tongue to ensure a good fit.



The Happy Tongue is a solid mouth-piece uniquely ported to give maximum tongue relief.

The curved mouthpiece is softer on the bars and slow in applying tongue pressure.

The Narrow Tongue has been designed for the horse with a narrow jaw, this ensures accurate fitting over the bars and eliminates the rocking movement which occurs when the port is too wide.

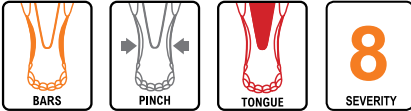
Both models are available in a straight mouthpiece which is slightly stronger, this suits a horse with a short mouth.



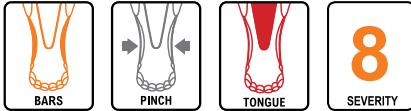
SWIVEL



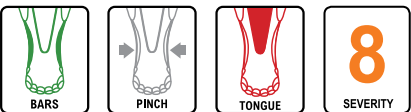
CODE	WIDTH	THICKNESS
JP00	125	B14



CODE	WIDTH	THICKNESS
LB00	125	B16



CODE	WIDTH	THICKNESS
MU00	125	B16



JOHAN DU PLOOY



We find that some horses respond well to this, particularly the older horse that accepts tongue pressure, if all else fails this is worth a try.



This solid mouth piece is curved and the port is filled with a roller making this a stong bit applying direct tongue and bar pressure. When combined with the pelham cheek piece poll pressure is applied and the chain applies curb pressure making this a very strong bit.

LESLIE DU BRUIN



Recommended for schooling, to place the horse's head in the correct position.



This straight bar with 3 rollers and rotating side pieces applies direct tongue and bar pressure, this is an ideal schooling bit as the rotating pieces prevent the horse from taking hold of the bit while keeping its attention on the bit.

MULLEN



Bomber would prefer to offer an alternative where possible. However, we find that some horses respond well to this, particularly the older horse that accepts tongue pressure.



The Mullen is a strong bit which creates direct pressure on the tongue. Used to bring the head down..

BAR ADAPPTIONS



CORKSCREW



ROUND TWIST



SQUARE TWIST

CHEEKPIECE SPECIALISATIONS

POLO WATSON PELHAM



A specialised cheek piece which introduces poll, tongue and curb pressure. Only available with a Mullen mouth-piece. This is a schooling aid bit, to encourage turning while keeping the head down. The slightly longer stainless steel rod runs freely through the middle of the Mullen mouth-piece. By quickly striking the rod onto the cheek piece, the horse will react by moving its head into the desired direction.

Supplied with stainless steel curb chain and hooks

POLO WATSON RING PELHAM



MOUTHPIECES

SEMI-BROKEN

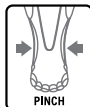
The joint is hindered in making its full movement, thereby limiting the bit's action and lessening the pinch.



CODE	WIDTH	THICKNESS
BA30	130	B16



BARS



PINCH



TONGUE

5

SEVERITY



MAX



CODE	WIDTH	THICKNESS
BP00	130	B16



BARS



PINCH



TONGUE

5

SEVERITY



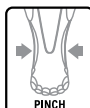
MAX



CODE	WIDTH	THICKNESS
SNLU	130	B16



BARS



PINCH



TONGUE

4

SEVERITY

BARREL 30



We recommend the barrel for the horse with a high head carriage, that accepts tongue pressure, a second choice to the lock-up.



The Barrel joint limits the nut cracker action, which spreads the pressure over a larger area of the tongue and lessens the pressure on the bars.

The Barrel allows for independent action on each rein.

Please note, this bit exerts sharper tongue pressure than the Elliptical due to the Barrel being smaller.

The wider barrel 30 concentrates pressure on the tongue and further limits the nutcracker action.

PORTED BARREL



Bomber would recommend trying the ported barrel as an alternative to the happy tongue.



The port creates relief for the tongue while the barrel joint relieves pressure on the bars, while still allowing for individual lateral aids.

LOCK UP



We recommend this to those riders who conventionally use the single break snaffle which causes the head to lift, this alternative will bring the head down.

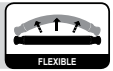


The Lock Up snaffle removes the nut cracker action of the conventional snaffle, resulting in less pressure on the bars.

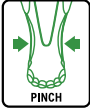
MOUTHPIECES

FLEXIBLE

Flexible mouthpieces wrap around the horse's tongue and bars spreading the pressure evenly.



CODE	WIDTH	THICKNESS
MUFC	135	B18 or B14



FLEXIBLE MULLEN



Bomber recommends this as a soft option for all horses, especially young ones with a sensitive mouth. Suitable for the horse that excessively mouths the bit and those where the tongue relief bits have not worked. The spring back action of the inner cable offers quick release from pressure.



An internal cable covered with a bespoke non-toxic, UV resistant PVC tube offering an exceptionally soft and evenly distributed pressure over tongue and bars. Especially good for the horse that objects to metal. As with all our steel components, the cable and cheek piece will be covered by our lifetime guarantee.

WATERFORD BARREL



Bomber recommends this as a soft option for all horses, especially young ones with a sensitive mouth and where the tongue relief bits haven't worked. Similar in action to the flexible mullen but without the quick release.



CODE	WIDTH	THICKNESS
WFBA	135	B18



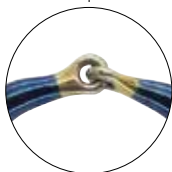
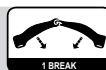
The Waterford bit has many smooth flexible barrels which spread the pressure making it a light mouthpiece. The greater flexibility discourages a horse from leaning on it, it also promotes mouthing and salivation.

The Waterford is usually worn ¼" - ½" or 5mm - 10mm longer than your traditional mouthpiece in order to curl around the tongue and maximise the effect.

MOUTHPIECES

1 BREAK

When applied the single break snaffle pinches the bars and tongue raising the head.



CODE	WIDTH	THICKNESS
SN00	135	B16



SNAFFLE



Bomber's snaffle is recommended due to the special features which make it kinder. The function of the snaffle is to raise the horse's head. Experience has shown this mouthpiece is less often required than it is currently used.



Our Snaffle is a popular bit due to the curved mouthpiece which distributes pressure more evenly over tongue and bars and reduces the nutcracker action. The offset centre link avoids the usual pressure point on the tongue.

The nutcracker results in the horse lifting its head, therefore offers a solution for the horse that runs with its head down.

SPECIALISATIONS



PETROS



CHERRY ROLLER

BAR ADAPPTIONS



CORKSCREW



ROUND TWIST



SQUARE TWIST

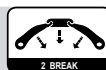


POLITO

MOUTHPIECES

2 BREAK

Double break bits have a middle component that sits on the tongue. Some extent of pinch will occur.



2 BREAK



CODE	WIDTH	THICKNESS
BE00	135	B08



15

SEVERITY

BARRIE



This is a severe bit, Bomber would prefer a softer option such as the Buster Roller which will achieve a similar result, raising a horse with a low head carriage.



The Barrie is a harsh bit. The centre joints are offset by 20mm giving it a double nutcracker action. This creates a lot of pinch, tongue and bar pressure. Good for strong older horses and will lift and bring in the horses head.

BAR ADAPTIONS



ROUND TWIST



SQUARE TWIST



POLITO

VARIANT

BARRIE REVERSIBLE



The Barrie Reversible is a versatile bit that can be flipped and used either way.

CODE	WIDTH	THICKNESS
BERV	135	B08



15

SEVERITY



BUSTER ROLLER



Bomber recommends this mouth piece as an alternative to the Barrie, being kinder and achieving the same result. Recommended for horses that run downhill.



The Buster Roller centre link is shortened which increases bar and tongue pressure making this mouthpiece sharper than conventional 2-break bits. The increased pressure on the bar will lift the head and the roller will increase pressure on the tongue bringing the chin in. Best suited for a horse with a low head carriage and which leans on the bit.

CODE	WIDTH	THICKNESS
BR00	135	B16



13

SEVERITY

SPECIALISATIONS



PETROS

BAR ADAPPTIONS



CORKSCREW



ROUND TWIST



SQUARE TWIST



POLITO



CODE	WIDTH	THICKNESS
CP45	135	B16



CONTROL PLATE 45

Bomber recommends this popular mouth piece for the horse with a high head carriage particularly if it has been ridden in a single break snaffle. The control plate can be used to determine if the horse will accept tongue pressure or if it is tongue sensitive. A slightly softer option to the elliptical.



The Bombers Control Plate is set at 45° to follow the contour of the horse's tongue. The plate sits flat on the tongue offering a kind pressure on the tongue which will bring the head in.

SPECIALISATIONS



PETROS



CHERRY ROLLER

BAR ADAPPTIONS



CORKSCREW



ROUND TWIST



SQUARE TWIST

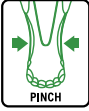


POLITO

ELLIPTICAL



CODE	WIDTH	THICKNESS
EL00	135	B16



Bomber recommends this when slightly more control is required than that offered by the control plate, this applies sharper pressure.



The Elliptical is stronger than the Control Plate due to it concentrating pressure onto a smaller surface area. This bit will suit a horse that pushes the bit with its tongue. The horse will draw its head back and tuck its chin in, finding a better balance of control.

SPECIALISATIONS



PETROS



CHERRY ROLLER

BAR ADAPTIONS



CORKSCREW



ROUND TWIST



SQUARE TWIST



POLITO



CODE	WIDTH	THICKNESS
MH00	135	B16



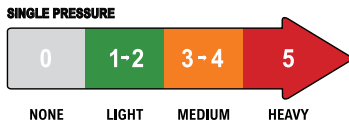
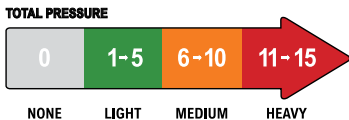
McHARDY

A Bomber invention for the tongue sensitive horse and recommended when the happy tongue does not offer enough control; the horse becomes heavy or is behind the bit.



This is a suitable bit for a horse showing classic signs of resisting tongue pressure by shaking its head or sticking its tongue out. With this in mind the McHardy was created, it is a hybrid between the Happy Tongue and Buster Roller. It has a medium port creating space for the tongue, relieving pressure. The shortened roller in the middle increases bar pressure, lifting the horse's head while the roller brings the chin in achieving more control.

PRESSURE POINT SEVERITY



GREY

Utilises no pressure, the optimum case however this is not realistic in every situation.

GREEN

Registers a light pressure, applied over a large surface area to achieve a better positioning of the head.

ORANGE

Indicates that medium pressure is being applied to correct a problem or to achieve necessary control.

RED

Is the maximum pressure, the rider should be cautious and question this use.

HEAD PRESSURE POINTS



Cheek pressure is useful for schooling, encouraging flexion and directing the horse.



Curb pressure may be necessary to improve control, as well as to encourage the chin to tuck in. Curb chain pressure is severe due to the sensitive area of application but can be softened by distributing the pressure to other areas such as mouth and poll. Nylon or leather back straps are a softer option to a curb chain.



Poll pressure is applied through the bridle and will increase proportionally to the length of the bits upper shank/purchase. When applied to a horse that accepts this form of pressure it will bring the head down. Poll pressure is usually used in conjunction with other pressure points, making it more accepted.

TYPES OF CHEEKPIECES



A loose cheek piece moves vertically through the mouthpiece. Bombers bits are carefully chamfered by hand to minimise any pinch, although add 5mm in width when using a loose cheek piece.



A fixed cheek piece is designed to sit closely to the horses lips, it encourages flexion.



This unique group of cheek pieces are fixed against the cheek and exhibit the positive features of a loose ring.

SPECIALISATIONS



T-BAR

The T-Bar was developed by Bomber for Polo, it will have the same effect as the traditional Fulmer in that it will prevent pinching on the sides of the mouth however the shortened and extended pins above and below the bit prevent the bit firstly being pulled through the mouth and secondly has the effect of guiding the horses head into the direction the bit is facing which is great for schooling and training purposes.

CHEEKPIECES

LOOSE

A loose cheek piece moves vertically through the mouthpiece. Bombers bits are carefully chamfered by hand to minimise any pinch, although add 5mm in width when using a loose cheek piece.



CODE	MODEL	WIDTH	HEIGHT
3RPL	Polo	78mm	157mm

Supplied with bit rubbers.



SPECIALISATIONS



T-BAR



CODE	MODEL	WIDTH	HEIGHT
GAPM	Polo Medium	90mm	85mm
GAPB	Polo Big	115mm	115mm

Supplied with gag ropes



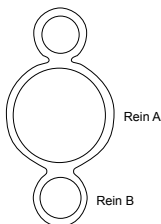
POLO 3 RING



The function of this cheek piece is similar to the big ring gag however has an important advantage in that the mouthpiece is not raised in the mouth through the action of the gag ropes. The raising of the mouthpiece can cause the horse to flex to the left, shortening its stride and putting its shoulders out of balance.



A 3 Ring cheek piece introduces poll pressure as well as creating leverage on the mouthpiece.



REINS CAN BE ATTACHED AT:

- A** - Removes the poll pressure decreasing the mouthpiece leverage.
- B** - Introduces poll pressure leveraging the mouthpiece.

POLO RING GAG



While the big ring gag is very popular, Bomber cautions the rider to take note. The gag rope can move through the cheekpiece for as long as the rider pulls. Causing the mouthpiece to rise in the horse's mouth. Eventually the horse will flex to the left, shortening its stride and putting its shoulders out of balance.



A gag works by lifting the bit in the mouth in order to encourage the head to be raised. Often used on strong horses that like to lower their heads in order to escape the action of the bit in the mouth and get very strong.

When pressure is applied to the rein, the bit is lifted in the mouth and poll pressure is applied. The bit also rotates slightly in the mouth putting more pressure on the tongue and bars. To be correctly used, it must be used with two reins one on the gag rein and one on the big ring only bringing the gag rein into play when needed.



T-BAR

CHEEKPIECES

FIXED

A fixed cheek piece is designed to sit closely to the horses lips, it encourages flexion.



CODE	MODEL	WIDTH	HEIGHT
EGPG	Polo	110mm	115mm

Supplied with gag ropes.



POLO EGGbutt GAG



As with a Big Ring Gag, the gag rope can move through the cheekpiece for as long as the rider pulls. Causing the mouthpiece to rise in the horse's mouth. Eventually the horse will flex to the left, shortening its stride and putting its shoulders out of balance.



The Eggbutt shape will prevent pinching of the lips and encourages flexion. The fixed cheek will create more leverage on the mouthpiece whilst at the same time introducing more poll pressure.



POLO PELHAM



Bomber cautions the rider to be aware that this cheek piece may apply pressure in all areas of poll, curb and tongue in varying degrees which may be excessive.



The Pelham has attachments for two reins, one near the mouthpiece and one at the end of the shank. Some riders, may prefer to use rein connectors. The Pelham 55mm shank will exert moderate poll pressure and leverage on the mouthpiece and curb.

CODE	MODEL	WIDTH	HEIGHT	PURCHASE
PEP5	Polo 55	80mm	130mm	40mm
PEP7	Polo 75	80mm	155mm	40mm

Supplied with stainless steel curb chain and hooks.





A specialised training cheek piece, the mouthpiece has been offset forward, which will accentuate the mouth pressures.

CODE	MODEL	WIDTH	HEIGHT	PURCHASE
BPOP5	Offset 55	85mm	125mm	40mm
BPOP7	Offset 75	85mm	160mm	40mm

Supplied with stainless steel curb chain and hooks.



BIT ACCESSORIES

ARTICLE	NAME
TBTPRO	Bit Rubber

Available in Pink, Black, Brown, Purple, Royal Blue, Green, Yellow, Orange, Red and White.



BIT RUBBERS

ARTICLE	LENGTH
TCCHK5	28mm
TCCHKSL	40mm



HOOKS

ARTICLE	NAME
TCCENS	Standard
TCCENP	Polo
TCCENM	Military
TKCLLTH	Leather



CURB CHAINS

ARTICLE	LENGTH
TGRBR	Polo Gag Rope
TGR3R	Polo 3 Ring Cheek Rope



GAG & CHEEK ROPE

ARTICLE	NAME
ACBTM	Bit Measure with nylon slip



BIT MEASURE



SPURS



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THE HANDMADE ORIGINAL

SPURS



LITE



NARROW



STANDARD

ROWELS & STUDS



DISC 20 & 30



TW STUD 18 & 22

Note these are not interchangeable.

STRAPS








POLO STRAP

Available in small, medium and large.



NYLON STRAP

MOUThPIECE	MEASUREMENT
 <p>SOLID</p>	125
 <p>SEMI-BROKEN</p>	130
   <p>1 BREAK 2 BREAK FLEXIBLE</p>	135

SIZE CONVERSION TABLE							
MM	115	120	125	135	140	145	150
INCH	4.5"	4.75"	5"	5.25"	5.5"	5.75"	6"

YOUR HORSES HEAD SHOULD BE IN A NEUTRAL COMFORTABLE POSITION WHEN IN CONTACT WITH THE BIT. *IF NOT.... PICK UP YOUR PHONE...*



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STEP
1

BIT TYPE

SEND US AN IMAGE OF YOUR BIT, OR DESCRIBE THE CHEEKPIECE AND MOUTHPIECE.

STEP
2

SYMPTOMS

DESCRIBE YOUR HORSES HEAD AND TONGUE IN REACTION TO BIT CONTACT AND PRESSURE.

FOR EXAMPLE

TONGUE - OUT, BACK OR OVER.
THE HEAD - LEANING, HEAVY, JERKING,
PULLING OR SHAKING.

STEP
3


DETAILS


SEND US YOUR HORSES NAME, BREED, HEIGHT AND DISCIPLINE YOU ARE COMPETING AT.




AND CLAIRE WILL GET BACK TO YOU




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