



WAVES®

TRADING & CONTRACTING W.L.L



OLYMPIC GAMES 2016, RIO DE JANEIRO, BRAZIL +++
ALLTECH FEI WORLD EQUESTRIAN GAMES 2010, LEXING-
TON KY +++ ROLEX FEI WORLD CUP FINALS 2011, LEIPZIG +
++ LONGINES GLOBAL CHAMPIONS TOUR 2016 ROME,
ITALY +++ KENTUCKY HORSE PARK, LEXINGTON KY +++
GREAT SOUTHWEST EQUESTRIAN CENTER, KATY TX +++
RAMZY AL DUHAMI +++ REFERENCES +++ ARTISAN
FARMS, WELLINGTON FL +++ PALM BEACH EQUINE CLINIC,
WELLINGTON FL +++ STEFFEN AND SHANNON PETERS +++
LUCKY FARMS, CARMEL IN +++ NEWSTEAD FARM, WEL-
LINGTON FL +++ SQUARE LAKE FARM, STILLWATER MN+
++ MONTY ROBERTS, FLAG IS UP FARMS, SOLVANG CA++
+ AREZZO EQUESTRIAN CENTRE, AREZZO ITALY +++ PA-
MELA JONES, KAILUA HI +++ WAVESSPORT +++ FERREIRA
DA ROCHA, SÃO PAULO +++ REITARENA STUBAI, FULPMES

**BILLY TWOMEY +++ HASCOMBE EQUESTRIAN, HENFIELD UK
+++ OFFICERS SHOOTING CLUB, ABU DHABI +++ REITERHOF
GUT STOCKUM GMBH, BISSENDORF +++ ZABEEL STABLES,
DUBAI +++ REITSTALL ST. LEOPOLD, KLOSTER NEUBURG
+++ WAVESSPORT +++ AL SHAQUAB STUD, DOHA +++
DOHA RACING & EQUESTRIAN CLUB, DOHA +++ RACE
TRACK NIIGATA +++ HANWHA STABLES, SEOUL +++
NATIONAL CHAMPIONSHIPS DRESSAGE, HUNGARY +++
WAVESSPORT +++ FEI WORLD EQUESTRIAN GAMES 2006,
AACHEN +++ REITVEREIN ST. GEORG EUSKIRCHEN E. V. ++
+ FEI WORLD EQUESTRIAN GAMES 1998, ROME +++ ASIAN
GAMES 2006, DOHA +++ ROLEX FEI WORLD CUP™ FINAL
2006, KUALA LUMPUR +++ REPUBLIC CENTER OF OLYMPIC
PREPARATION OF EQUESTRIAN SPORT AND HORSE
BREEDING, RATOMKA +++ ROLEX FEI WORLD CUP™
LEIPZIG +++ WAVESSPORT**



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ABOUT US

ALLOW US TO INTRODUCE OURSELVES...

WAVES Sport International GmbH is one of the leading providers of high-quality solutions for planning and installing riding arenas.

As experts in riding arenas of various designs and for every type of discipline and working hand in hand with our clients, we develop customized solutions which, at the same time, provide ultimate comfort and safety for horse and rider. Personal consultation and support are self-evident for us. Our desire to live up to our clients' wishes motivates us to strive for excellence each and every day.

GLOBAL PLAYERS IN RIDING ARENAS FOR 25 YEARS

FAMILY BUSINESS RUN BY PASSIONATE RIDERS
AND HORSE ENTHUSIASTS

QUALITY: MADE IN GERMANY

ACTIVE FOR ENVIRONMENT AND NATURE

FROM BAVARIA ALL AROUND THE WORLD

CARING AND SOCIALLY COMMITTED





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WAVES PERFORATED MAT FOR ARENAS & PADDOCKS

COPIED MANY TIMES - BUT NEVER MATCHED: THE ORIGINAL WAVES PER-FORATED MAT IS A BASE ANCHORAGE FOR EQUESTERIAN ARENAS AND PADDOCKS THAT IS SPECIALLY DESIGNED FOR EQUESTERIAN SPORTS AND IS SET UNDERNEATH THE FOOTING. IT GUARANTEES A PROPER AND DURABLE SEPERATION OF SUBSTRUCTURE AND FOOTING, MAXIMUM DRAINAGE, WATER SAVING, CONCUSSION MITIGATION AND STABILITY.

- 1. SEPERATION OF SUBSTRUCTURE AND FOOTING** The mat eliminates all upward shifting of substructure (rocks) into the footing. Concave shaped "Lock-out-rings" prevent all lateral shifting of the mat. Sand cannot get under the mats, darainage and sub-base cannot get destroyed - nor more wave forming in your arena.
- 2. DRAINAGE** Surplus water drains off quickly through drainage holes. Even after persistent rain activity the arena can be used immediately.
- 3. WATER RESERVOIRS** Up to four liters of water per square meter are conserved in the water reservoir, which permanently saves watering costs.
- 4. ELASTICITY** According to scientific tests, the Perforated Mat absorbs up to 40% of the force caused by the striking hoof, which protects the horses' musculoskeletal system.
- 5. SKID RESISTANCE** A specially designed system of traction-knobs of different lengths on the upper side of the WAVES-PerforatedMat guarantees a secure surface and base and high stability - a priceless advantage during sharp bends and turns.





WAVES PERFORATED MAT FOR RIDING ARENAS & PADDOCKS

Anlage 1, Berichts-Nr.: 741841

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Kraftverteilung von zwei Kufen auf den Aufbau des Reitbodens

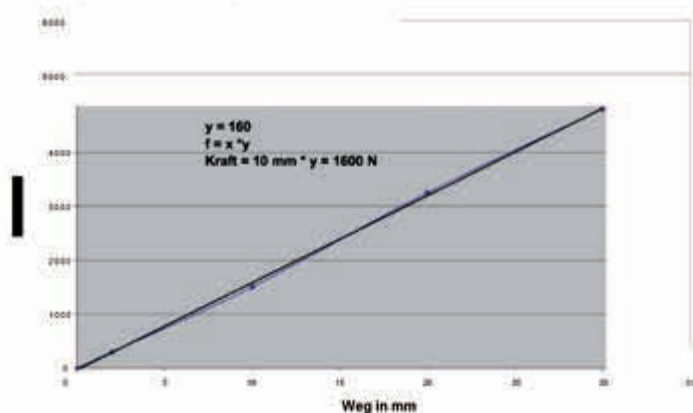
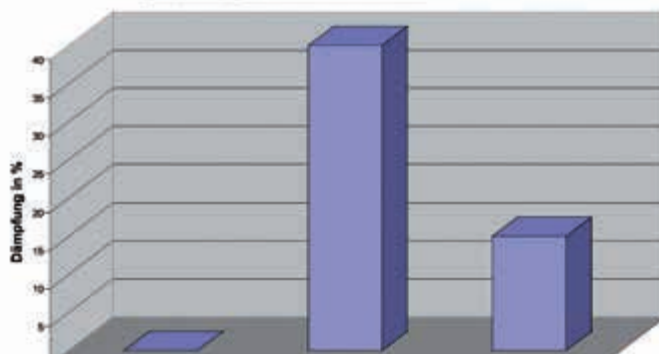


Diagramm 1

Dämpfwirkung des Aufbaus von Reitböden



OUR CONTRIBUTION TO ENVIRONMENTAL PROTECTION

WAVES-PerforatedMats are manufactured using recycled synthetics. This is our active contribution to environmental protection and sustainable development. Subjecting the mats to inspection by TÜV (German Association for Technical Inspection) for compliance with legal requirements concerning soil and groundwater protection on a regular basis are a permanent feature of quality assurance for us. This is why we can say with a clear conscience that the WAVES-PerforatedMat fulfills all requirements of the Feder Soil and Contaminated Sites Ordinance of Germany.

PRODUCT INFORMATION

Dimensions	approx. 117 x 85 x 5 cm
Covered Areas	approx. 1 m ²
Weight	18 kg
Material	Resilient Synthetics
Guarantee	20 years on functionality

WAVES ARENA FOOTING LAYERS

WAVES FOOTING PROVIDES CUSTOMIZED SOLUTIONS FOR EVERY EQUESTERIAN DISCIPLINE. INDIVIDUALLY ADAPTED TO YOUR DEMANDS AND THE NEEDS OF THE RESPECTIVE DISCIPLINE, WE WILL FIND THE RIGHT FOOTING MIXTURE FOR ANY ARENA OR PADDOCK. ADDITIONALLY, WE OFFER VARIOUS TYPES OF FOOTING WITH AND WITHOUT ADDITIVES.



NOT ALL SAND IS CREATED EQUAL! As a company with references all over the world we prefer working with top-of-the-line sand that deserves to be designated as „sand of equestrian sports“. For our special footing mixtures we only use types of sands that have been tested in our company-owned laboratory and meet the highest standards of use as „equestrian sports sand“.

WAVES-ARENATEX

This modern footing type will put your riding arena in the limelight! WAVES-ArenaTex contains geotextiles and synthetic fibres as amendments in order to ensure the appropriate surface consistency. Moreover, the geotextiles help maintaining correct moisture levels of the footing - they save up to 10 litres per square metre. One of the major advantages of WAVES-ArenaTex is its great durability.

WAVES-ARENASPAN

The classic footing: The sand is mixed with wooden chips to guarantee the correct surface consistency.

WAVES-ARENAPUR

A mixture that is specially matched to the specific demands of paddocks: WAVES-ArenaPur enhances drainage features of paddocks, particularly in combination with the WAVES-PerforatedMat. Therefore, surplus water drains off quickly and horses will feel comfortable all around.



OLYMPIC GAMES 2016

RIO DE JANEIRO, BRAZIL



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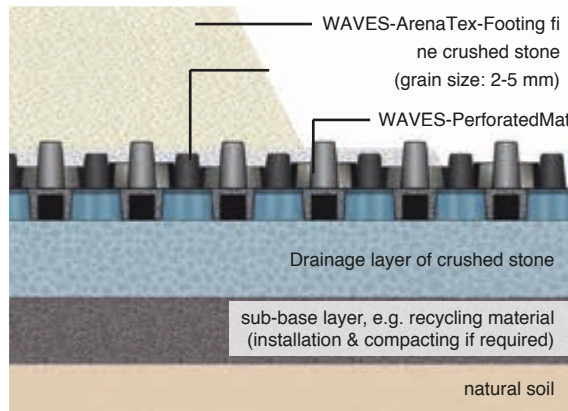


WAVES ARENA INSTALLATION

OUR EXPERTISE - YOUR BENEFIT

We construct our arenas according to the three-layers-model (sub-base layer - upper base - footing). First, topsoil should be removed and subsoil be compacted to get an even and stable surface. For the construction of the outdoor arenas, a light slope of about 1.5% is necessary. For indoor arenas a slope is not necessary.

1. THE CONSTRUCTION - SCHEME OF THE ARENA



FOOTING A specially mixed footing that meets the requirements of the desired equestrian discipline is installed with laser-controlled machines.

SEPERATION LAYER WAVES-PerforatedMats are set on a washed stone layer with a gap of approx. 3 cm and lightly rolled and filled with filter material.

SUB-BASE LAYER Water-permeable layer - ideally local aggregates/stones which are installed mit laser-controlled machines.

The above-mentioned three layer scheme is a standardized and simplified system. However, riding arena construction highly depends on the local conditions and the individual requests of the customers.

So please take advantage of the chance to get free advice from our experts - we are happy to assist you in all questions regarding the construction of your arena!

2. REALIZATION

When it comes to realization, we can offer you several possibilities at different price points.

COMPLETE CONSTRUCTION READY TO USE

Our experts will personally take care of the entire realization from start to finish and finally present you with the completed arena.

SUPERVISOR

You either have a local construction company do the work or you bring your own labor, which takes over a part of the work. One of our riding arena experts supervises the correct realization and provides assistance when it comes to specialist questions.

DO-IT-YOURSELF

You have a local construction company do the work using the necessary machinery and assist them in it. You will receive an installation manual showing you every single stage of the work.

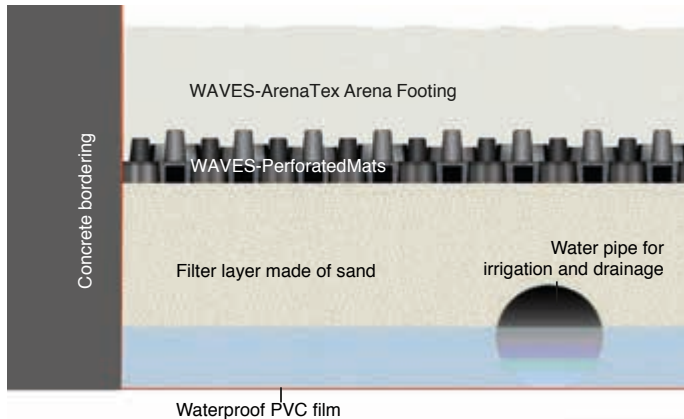
Make use of our „WAVES Modular Construction System“

Of course, you can obtain all materials and services that are necessary for constructing your arena from us. According to your wishes, we will supply you with either individual components or the full solution.



WAVES-EBB&FLOWSYSTEM: WATERING “FROM BELOW”

SUBTERRANEAN-IRRIGATION-SYSTEMS SERVE TO PROVIDE CONTINUOUS AND CONSISTENT FOOTING



With our Subterranean-Irrigation-System, watering is done „from below“: By means of sensors, the water level is measured constantly and regulated accordingly through a piping system in order for the footing to remain steadily moist. Watering the arena manually, which can often be troublesome, is no longer necessary. Our Subterranean-Irrigation-System is available in two versions: „CLASSIC“ (without WAVES-PerforatedMats) and „SUPREME“ (with WAVES-PerforatedMats).

Essentially, both versions are equal in functionality. A decisive difference, however, is that using the „SUPREME“ version of the system, WAVES-PerforatedMats provide lasting elasticity and, as a result, considerably higher comfort for the horses' musculoskeletal system compared to the „CLASSIC“ version.



WAVES INDOOR MAT

The little sister of our WAVES-PerforatedMat. This mat is designed specifically for indoor equestrian surfaces and will create perfect riding conditions in your indoor arena when combined with the right footing layer.

Saving water. Unlike the WAVES-PerforatedMat, the WAVES-IndoorMat is deliberately not equipped with drainage holes. This creates a closed system which enables you to apply the exact amount of water to give the surface an ideal consistency without wasting any precious water.

Skid-resistance. The surface structure (traction-knobs of different heights) prevents horses from slipping in narrow turnarounds or when riding at high speed. Moreover, the matting ensures an optimal anchorage of the footing with the matting.

Elasticity. The elastic material causes noticeable cushioning: a large part of the hooves' impact force is absorbed, minimizing the strain on the horses' joints, tendons and ligaments.

Another advantage is that the theWAVES-IndoorMat does not need a layer of fine crushed stone on top. The footing can be installed directly on top of the mat.

The WAVES-IndoorMat is perfectly suitable for temporary indoor events as well (see p. 27).



PRODUCT INFORMATION

Dimensions	approx. 117 x 84 x 4 cm
Covered area	approx. 1 m ²
Weight	17 kg
Material	Resilient Synthetics
Guarantee	20 years on functionality



JUMPING VERONA 1999 - TODAY
Verona, Italy

WAVES TOURNAMENT SURFACE - IN PEAK SHAPE FOR TEMPORARY EVENTS

Of course, our equestrian surface system is perfectly suitable for temporary events as well. Whether you are hosting a 1-day-show or a 4-week tournament: The WAVES Tournament Surface can be easily installed and removed.

After countless world cup events, world equestrian games, european games and other shows, we now possess decade-long experience when it comes to temporary riding surfaces.

For **outdoor events**, we use our **WAVES-PerforatedMat** (pp. 10 - 13) while for **indoor events**, we use our **WAVES-IndoorMat** (p. 26). All of this makes it possible for you to host your event on original WAVES Sport quality without forgoing any advantage you would have in a permanent arena.

We will be very happy to assist you with your event. Feel free to profit from the advice of our experts.





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**2010 FEI WORLD EQUESTRIAN GAMES
KENTUCKY HORSE PARK, KENTUCKY, USA**



AREZZO EQUESTRIAN CENTER

Arezzo, Italy



LONGINES GLOBAL CHAMPIONS TOUR 2015

Rome, Italy



FN-DOKR LEISTUNGSZENTRUM

Warendorf, Germany



CLUB DE CAMPO
Madrid, Spain



STAL TOPS
Valkenswaard, Netherlands

WAVES DESERT MAT - FOR HOT REGIONS

The WAVES-DesertMat is specially designed for equestrian arenas in hot climate zones and extremely dry regions with very low precipitation probability, as for instance characteristic for the Arabian Peninsula. This model offers the same quality features as the WAVES-PerforatedMats: elasticity, concussion mitigation. It does, however, not need drainage holes.

In this way, the capacity of the water retention system is doubled to eight liters of water per square metre.



PRODUCT INFORMATION

Dimensions	approx. 117 x 85 x 5 cm
Covered area	approx. 1 sqm
Weight	approx. 22 kg
Material	resilient synthetics
Guarantee	20 years of functionality







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GOLF
96
Die H...

D

WIZARD
VEREINIGUNG

AIRPORT POLO
Munich, Germany

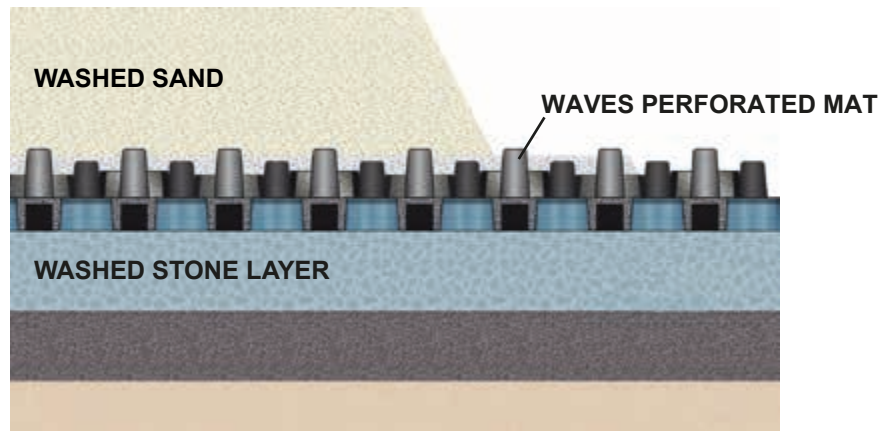
WAVES PADDOCK SURFACE

TAKE ADVANTAGE OF OUR „WAVES MODULAR CONSTRUCTION SYSTEM“

Again, we offer you the „WAVES Modular Construction System“. Essentially, you can obtain all the needed materials from us. If requested we can, however, also supply you with individual components which you can install yourself according to our instruction and by this save ready cash. Of course a professional installation manual comes with all our deliveries.

If you have any further questions, do not hesitate to contact us.

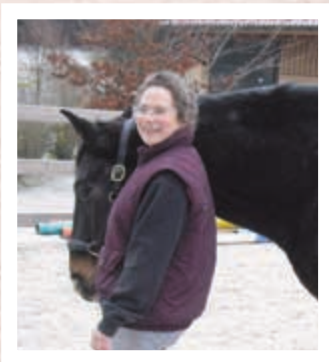
BUILD-UP OF WAVES PADDOCK SURFACE



Just like regular arenas, paddocks are installed using the three-layer-system (sub-base layer - separation layer - footing). In this case as well, we recommend removing topsoil, and compacting subsoil and creating a light slope of 1.5%.

Installation is done analogously to riding arenas. Sand blend without footing amendments (e.g. WAVES-ArenaPad) or local sand as footing layers is sufficient.

WE WOULD BE PLEASED TO HELP YOU!



„We are very fond of the WAVES-StableMats that are set in our barns. The special thing about the WAVES-Perforated-Mats installed in our paddocks and arenas is their ability to enhance horses‘ blood circulation. A lot of risks can be minimized or even completely avoided by using the perforated mats. We have had very positive experiences concerning the blood circulation of the extremities and the hoof structure.“

Dr. Andrea Papst, Veterinarian

WAVES STABLE MATS - FOR COMFORTABLE WARMTH IN STABLES

The tried and tested WAVES-StableMats create a warm and comfortable environment in the stables, providing maximum comfort for your horses.

Special chambers in the bottom side of the mat create a warming air cushion. One major advantage is that fewer shavings are required, only what is necessary to soak up urine.

Further benefits:

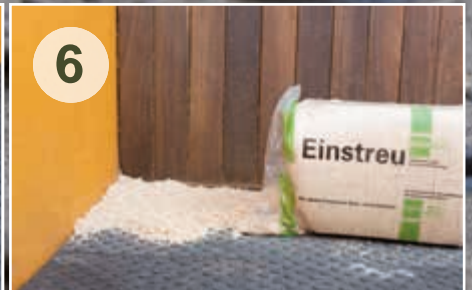
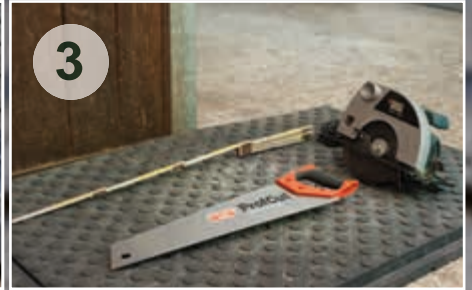
The air circulates and no condensation water is created underneath the mat. The amount of waste produced is far lower - mucking out and maintaining stables is done without any great effort.

Installing the WAVES Stable Surface is really easy:

The mats interlock with one another and can be set on any solid and level ground. If required, they may be cut to the desired size with a saw.



INSTALLING THE WAVES STABLE MAT



PRODUCT INFORMATION	
Dimensions	approx. 115 x 75 x 4 cm
Covered area	approx. 0,86 sqm.
Weight	approx. 28 kg
Material	resilient synthetics

RUBBER BRICKS SAFETY IN WASHING AREAS AND HORSE WALKERS

Rubber bricks are the ideal flooring for pathways, wash and grooming areas and the horse walkers. With their non-slip properties and heat insulation features, they make an important contribution to protecting the horses' soundness. They are weatherproof and frost-resistant (-40° to + 80°C), urine resistant and sound-absorbing



PRODUCT INFORMATION

Dimensions	approx. 200 x 165 x 44 mm
Required amount	approx. 35 pcs/1sqm
Weight	approx. 1 kg
Colour	red, black



WAVES ARENA LEVELLERS FOR PROFESSIONAL ARENA MAINTENANCE

A fleet of arena levellers which fulfills every single requirement in professional arena maintenance and is easy to handle at the same time? This goal has finally been achieved!

WAVES-Arena Levellers: Developed by passionate riders and equestrian surface experts!





Suspension: three-point linkage
Width: 2,30 m

DELUXE

Features:

- ✓ Double grid roll
- ✓ Levelling board
- ✓ 2 barrier wheels
- ✓ Spring tines with replacable teeth
- ✓ All components are steplessly adjustable!



Suspension: Towing eye, three-point linkage, ball head
Width: 1,80 m

VARIO

Features:

- ✓ Grid roll
- ✓ Levelling board
- ✓ 2 barrier wheels
- ✓ Spring tines with replacable teeth
- ✓ All components are steplessly adjustable!



Suspension: three-point linkage
Width: 2,30 m

BASIC

Features:

- ✓ Levelling board
- ✓ Spring tines with replacable teeth
- ✓ All components are steplessly adjustable!





RACE TRACKS





AREZZO EQUESTRIAN CENTER, ITALY +++ CHAMPIONSHIP
VAULTING 2008, BRNO +++ REITVEREIN REICHENBACH-HOCH-
DORF E. V. +++ FEI WORLD CUP GRAND PRIX, BRNO +++
REITSTALL ZIEGELHÜTTE, ALTDORF +++ EUROPEAN CHAMPION-
SHIPS DRESSAGE 2007, TURIN +++ REITERHOF ST. GEORG,
BESTENSEE +++ EUROPEAN CHAMPIONSHIPS DRESSAGE 1999,
ARNHEIM +++ FEI EUROPEAN JUMPING CHAMPIONSHIP 2011,
MADRID +++ REITSTALL STOLBERG, HANNOVER +++ MEDITER-
RANEAN GAMES 2009, PESCARA +++ REFERENCES +++ CIRCOLO
IPPICO CASALE SAN NICOLA, ROME +++ INTERNATIONAL
DRESSAGE AND JUMPING FESTIVAL, VERDEN +++ REITSTALL
TASDORF +++ MUNICH INDOORS +++ REITANLAGE EICHNERHOF,
PÖRNBACH +++ FESTHALLENREITTURNIER, FRANKFURT +++
REITVEREIN WEISSENBURG +++ GROSSER PREIS VON SACHSEN,
ZWICKAU +++ WAVESSPORT +++ REITVEREIN SEEBARN +++
ATLANTIC EQUESTRIAN TOUR, COMPORTA +++ WAVESSPORT ++

VILAMOURA EQUESTRIAN CENTER, PORTUGAL +++ FRANKE
SLOOTHAAK +++ WAVESSPORT +++ MEREDITH MICHAELS-BEER-
BAUM +++ MARKUS BEERBAUM +++ LARS NIEBERG +++
JOHN WHITAKER +++ WAVESSPORT +++ REITANLAGE FEUCHT+
++ KLAUS BALKENHOL +++ DEBBIE MCDONALD +++ REIT-UND
FAHRVEREIN DONAU-ESCHINGEN E.V +++ VICTORIA MAX-
THEURER +++ CATHERINE HADDAD +++ WAVESSPORT +++
REITCLUBACHERN E. V. +++ ANNA PAPROCKA CAMPANELLA+++
REIT- UND FAHRVEREIN SENDEN E.V. +++ ROBERT WHITAKER+++
BUNDESWEHR SPORTS SCHOOL, WARENDORF +++ REIT-UND
FAHRSPORTVEREIN WÜRZBURG E. V. +++ WAVESPORT +++
BAYERISCHES HAUPT- UND LANDGESTÜT SCHWAIGANGER,
OHLSTADT +++ REITSTALL WEIKERSDORF +++ DERBY-PARK
HAMBURG +++ REITERHOF KURZE, BOBERSEN +++ GESTÜT ZYX,
ELBTAL +++ REITCLUB TATTERSALL, NÜRNBERG +++ GESTÜT
VORWERK, CAPPELN +++ OLYMPIC GAMES 2016, RIO, BRAZIL +++



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