

Joker

HORSCH

Farming with passion

Joker CT

Joker RT

Joker RT Classic

Joker HD

COMPACT DISC FOR STUBBLE CULTIVATION AND SEEDBED PREPARATION



FARMING WITH PASSION



WE WANT TO BUILD THE BEST AGRICULTURAL MACHINES

We feel committed to the farmers' community and the wishes of our customers. Thus, it is only logical that for our products and services we aim for the highest standard. This is true for research, design and development as well as for assembly, technical service and advisory service. **We take the time** for extensive studies, use the machines on our own farms, more than 3 000 hectare – to experience ourselves what we have developed and what we are talking about.

We assume **responsibility** in farming and share the feelings of our customers – this is what we are working for with all our **passion**.

WE WANT TO SHARE OUR PASSION FOR FARMING

As we are farmers ourselves, there is always an **exchange** with our customers to stay well informed about their requirements with regard to our products. They are our **motivation, our driving force** and **our partner** at the same time. We attach great importance to a close contact to our customers and to approach them on an equal level. We are a forum and a **community for farmers** where we talk to each other, carry out tests and exchange experiences to – together with them – get better and better. This **bond** is our **backbone** helps us never to forget what we are working for.

We want to advance and inspire **farming** as farming inspires us and we want to give every farmer the possibility to contribute personally.



THERE IS NO SUCCESS WITHOUT PASSION

When we thought about a perfect slogan for HORSCH, there was one that quickly came to mind: **"Farming with passion"**. For this passion can be found in **each** of our **products** and also in the actions of every single HORSCH employee.

Everyone in the company – from the management to the mechanic – lives the **passion** that makes a simple product a unique one that excels due to **innovation** and **uncompromising quality** and can be adapted perfectly to the **requirements** of every single farmer in every country.

"We have always been and will always be farmers who intensively deal with a sustainable cultivation of the soil. Farming has a **future** and it is worth it to work hard – for the farmer as well as for the manufacturer of agricultural machinery. Each time a farmer looks into the rear-view mirror of his tractor and sees red he is to know that he opted for **uncompromising quality**."

Philipp Horsch

Cornelia Horsch

Michael Horsch

Joker

ALWAYS A TRUMP
CARD AT HAND



Strengths of the Joker:

- Available as **Joker CT** for 3-point linkage or as trailed new **Joker RT** and **Joker RT Classic** with an own chassis in large working widths
- Produces high quantities of fine soil within the germination zone
- Efficient consolidation in the germination zone
- No problems with long residues and shallow cultivation. High clearance because of mountings in pairs.
- Improved operational results with increased speed
- High working performance with little draft requirement
- High working speed in general
- Good penetration with aggressive, serrated discs and maximum machine weight
- In combination with the deep loosening device **Mono TG**: deep loosening and shallow mixing with the Joker CT
- **Joker CT/HD** in combination with the optional Vogelsang ExaCut kit are ideal for the incorporation of organic fertiliser/liquid manure

In which working conditions does the Joker perform well?

- Shallow and fast stubble cultivation for quick germination of lost grain, interrupting capillary and ensuring incorporation of straw
- Effective seed bed preparation after plough or cultivator
- Incorporation of long straw and difficult residues (cover crops, corn stubble)
- Smooth incorporation of organic fertilisers (manure, cover crops)



The **Joker** prepares a fine and consolidated seed bed with good conditions for germination



Effective packing system ensures intensive crumbling and consolidation



A strong DiscSystem ensures best mixing and levelling results



Joker/Mono TG – Good performance in difficult conditions



Joker CT incorporating liquid manure

Joker CT/RT Classic

PRECISE AND QUICK STUBBLE CULTIVATION

The **Joker** is ideally suited for shallow stubble cultivation to stimulate the germination of volunteer crops, to interrupt capillarity, to mix in harvest residues and for a shallow seed bed preparation. It produces a high ratio of fine soil in the germination horizon and is resistant to high amounts of straw, organic fertilizers or catch crops.

The disc harrow is available as **Joker CT** for three-point attachment and as **Joker RT Classic** with its own chassis in larger working widths. High hectares output is possible due to high working speeds up to 20 km/h.

A 1-bar deep loosener **Mono TG** is available as an additional option for the Joker 3, 3,5 and 4 CT rigid. It is particularly suitable for the use on heavy sites where the soil has to be loosened deeply and the harvest residues, however, only have to be mixed in a shallow way.



- 1** The Joker prepares a fine and consolidated seed bed with good conditions for germination
- 2** A strong DiscSystem ensures best mixing and levelling results
- 3** Effective packing system ensures intensive crumbling and consolidation



MiniDrill

Accurate efficiency for catch crops and Greening

The MiniDrill is a completely new HORSCH development. The hopper capacity is 400 l and is equipped with the well-proven metering unit of the Pronto. The seed is injected directly into the distribution system. It is available for all Joker CT and 5/6/8 RT.

To guarantee an excellent lateral distribution there are six evenly distributed outlets in front of or behind the packer for 4 m machines and twelve outlets for 5 m working width upward.

DiscSystem

INNOVATIVE AND RELIABLE

Your advantages include:

- High clearance because of mounting the discs in pairs
- Good contour-following qualities and effective stone-release system with maintenance-free rubber suspension
- Long intervals of exchanging parts
- Maintenance-free and low-wear disc bearings with permanent lubrication
- Good penetration into the soil with aggressive, serrated discs and maximum machine weight
- Small, fast turning discs produce lots of fine soil
- Stable disc angle through wide disc mountings, with no side play.



- 1** The serrated disc is more aggressive and penetrates better into the soil
- 2** Mounting in pairs increases the clearance
- 3** Large and robust bearing – shaft diameter of 35 mm with maintenance-free oil-bath bearing
- 4** Large rubber suspension ensures good contour-following qualities, stable disc angle and low wear and tear
- 5** Spade discs at the outer end ensure level conditions between passes
- 6** Easy setting of working depth with AluClip spacers

Joker RT – QUICK STUBBLE CULTIVATION WITH LARGE WORKING WIDTH

Assets and advantages of the new Joker RT:

- Produces high quantities of fine soil
- Efficient consolidation in the germination horizon
- No problems with long harvest residues and shallow cultivation. High clearance as the disc elements are mounted in pairs.
- Excellent operational results
- Good penetration due to aggressive, serrated hollow discs
- Cone-shaped discs for a constant cutting angle of 17°
- Compact machine with high levelling capacity
- Discs are mounted in rubber elements, thus increasing the operational life and improving the contour-following qualities
- Double RollPack packer with U-profile rings (Ø 55 cm). Very sturdy and suitable for all types of soil. Resistant to stones even at high speeds. Linked packer rings for excellent self-cleaning.
- Middle chassis for excellent driving behaviour on the road and smooth running of the machine in the field

- High operational reliability due to the large spacing between the DiscSystem rows and the packer
- Depth control wheels for an exact maintenance of the working depth and a very good adaption to the terrain
- New options like an hydraulic depth control or a front Crossbar

Options for the Joker 5/6/8 RT:

- Hydraulic working depth adjustment
- Front attachment space for Crossbar or knife roller
- SteelDisc packer for very heavy sites
- DuoDrill
- MiniDrill



Optional knife roller for the Joker 5-8 RT

The roller covers the whole working width. It has a diameter of 280 mm and is equipped with 6 knives per roller. They are arranged in a slightly diagonal formation to guarantee a constant distribution of the forces.

The new front tool is ideal for working for example in rape and sunflower stubbles.



Crossbar
hydraulic depth adjustment
for a perfect result



Transport chassis
safe road transport;
optional brake system



Optional
for Joker 5/6/8 RT hydraulic
working depth adjustment



Joker 10/12 RT
compact transport dimensions;
3 m transport width, 4 m transport height

Joker HD – WITH LARGE DIAMETER DISCS

Strong points and advantages of the Joker HD:

- Shallow, intensively mixing stubble cultivation
- Up to approx. 20 cm deep, intensively cutting and mixing cultivation with high quantities of for example grain maize residue
- The large disc diameter of 62 cm allows for working depths of up to 20 cm and is able to cut and intensively mix in high quantities of organic material without blocking.
- Concaved shaped discs for a constant cutting angle of 17°
- Compact machine with high levelling effect
- The discs are mounted in rubber elements resulting in an increased operating life and an improved adaption to the soil
- The strong design of the frame is very stable for deep cultivation and high strains. The frame guarantees the necessary weight to ensure penetration.
- Double RollPack packer with 55 cm Ø U-profile rings. Very stable and suitable for all types of soil. Resistant to stones even at high speeds. Linked packer rings for excellent self-cleaning.



1 Joker HD incorporating liquid manure with the optional Vogelsang kit

2 Stable double RollPack packer for all types of soil

3 High operational reliability due to the large spacing between the DiscSystem rows and the packer

4 Transport position with revolver chassis for safe road transport



FEATURES



Transport position



Depth control wheels



Side limitation



Adjustable drawbar linkage with hitch (ball joint)



Lower link linkage



Mono TG



Mono TG:
ideal for deep loosening. TerraGrip tines with narrow LD (low disturbance) coulters deeply loosen soil without transporting rough lumps to the surface.



High clearance –
two discs at one arm



Large (Ø 62 cm) discs
for working deeply



Edge disc



Middle chassis



Joker RT with optional DuoDrill for maximum efficiency for sowing rape and catch crops. Ideal on light and medium soils for an optimum use of the soil moisture. The DuoDrill is equipped with a large seed tank with a capacity of 460 l.



Optional Crossbar

PACKING SYSTEMS

VERSATILE FOR OPTIMUM RESULTS

The depth effects and the primary use of the different **HORSCH** packer versions.

RollFlex packing system:

- Deep consolidation with loose soil surface
- Good levelling qualities with levelling tines
- Self-cleaning qualities without scraper
- Good all-round performance

Double Rollpack packer:

- Steel ring roller with a diameter of 55 cm
- Deep strip consolidation
- Double packer: excellent self-cleaning
- flexible conditions of use

SteelDisc packing system:

- Deep consolidation with compact soil surface
- Good crumbling quality with cutting packer rings
- Optimised scrapers ensure good performance in wet conditions
- Good performance in heavy and stony soils

Tyre packer:

- All-over consolidation with an even consolidated surface
- High levelling capacity due to tyres with AS-profile
- Reliable operation even in stony soils



SteelDisc packer

Tyre packer

Cage drum roller

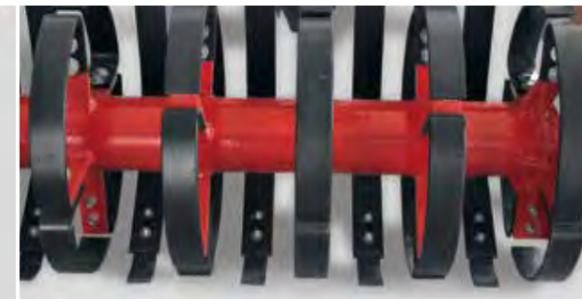
RollCut packer

RollFlex packer

RollPack packer



RollFlex packing system with packer rings made of flexible steel



Levelling tines between packer rings ensure good levelling of soil surface



Double RollPack packer for excellent crumbling and consolidation of the soil



The FarmFlex packer disposes of effective and robust scrapers for trouble-free functioning



RollCut packer



Double SteelDisc packer for optimum consolidation even on most heavy soils



Closed SteelDisc packing system with cutting packer rings. Durable carbide scrapers for trouble-free operation in all conditions.



Flexible tyre packing system with tractor thread



Cage drum roller

TECHNICAL SPECIFICATIONS



HORSCH Joker	5 HD	6 HD	8 HD
Working width (m)	5.00	6.00	7.00
Transport width (m)	3.00	3.00	3.00
Transport height (m)	3.30	3.70	4.00
Length (m)	7.10	7.10	7.10
Weight (kg)*	7 050	7 660	8 370
Tyre size support wheels	400/60-15.5	400/60-15.5	400/60-15.5
Tyre size chassis	385/65-22.5	385/65-22.5	385/65-22.5
DiscSystem-diameter Ø (cm)	62	62	62
DiscSystem disc size (mm)	6	6	6
Number of DiscSystem discs	42	50	58
Disc angle (degree)	17	17	17
Double-acting control devices	4	4	4
Horse power requirement (kW/PS)	130-170/180-230	160-180/220-250	220-260/300-350
Lower link linkage	Cat. III-III/IV-IV	Cat. III-III/IV-IV	Cat. III-III/IV-IV
Adj. drawbar linkage	Hitch Ø 42-51 mm	Hitch Ø 42-51 mm	Hitch Ø 42-51-71 mm

HORSCH Joker	3 CT	3.5 CT	4 CT	4 CT rigid	5 CT	6 CT
Working width (m)	3.00	3.50	4.00	4.00	5.00	6.00
Transport width (m)	3.00	3.50	2.95	4.08	2.95	2.95
Transport height (m)	1.90	1.90	2.80	1.90	3.25	3.70
Length (m)	2.50	2.50	2.90	2.50	2.90	2.90
Length incl. Mono TG (m)	3.70	3.70	---	3.48	---	---
Weight (kg)**	1 580	1 800	2 460	2 080	2 850	3 280
Weight incl. Mono TG	2 320	2 590	---	3 280	---	---
Tine spacing Mono TG	600	590	---	---	---	---
DiscSystem-diameter Ø (cm)	52	52	52	52	52	52
DiscSystem disc size (mm)	6	6	6	6	6	6
Number of DiscSystem discs	24	28	32	32	40	48
Disc angle (degree)	17	17	17	17	17	17
Double-acting control devices	0 (+1 with hydr. depth adjustment)	0 (+1 with hydr. depth adjustment)	1 (+1 with hydr. depth adjustment)	0 (+1 with hydr. depth adjustment)	1 (+1 with hydr. depth adjustment)	1 (+1 with hydr. depth adjustment)
Horse power requirement (kW/PS)	65-90/90-120	75-100/100-140	90-120/120-160	90-120/120-160	110-150/150-200	130-175/180-240
Horse power requirement incl. Mono TG (kW/PS)	from 140/190	from 160/220	---	from 180/245	---	---
Number of tines Mono TG	5	6	---	8	---	---
Tine spacing Mono TG (cm)	60	59	---	50	---	---
3-point linkage Joker CT	3-point cat II/III	3-point cat II/III	3-point cat III/IV	3-point cat II/III	3-point cat III/IV	3-point cat III/IV
3-point linkage Mono TG	3-point cat III	3-point cat III	---	3-point cat III	---	---

* Weights of the machines with minimum equipment
 ** Weights of the machines with minimum equipment with Rollflex packer



HORSCH Joker	5 RT	6 RT	8 RT	10 RT	12 RT
Working width (m)	4.75/5.00***	5.75/6.00***	7.25	9.75	12.25
Transport width (m)	3.00	3.00	3.00	3.00	3.00
Transport height (m)	2.85	3.35	3.95	4.00	4.00
Length (m)	7.00	7.00	7.00	7.70	7.70
Weight (kg)	5 500****	6 150****	7 200****	11 520*****	12 250*****
Tyre size support wheels	400/60-15.5	400/60-15.5	400/60-15.5	400/60-15.5	400/60-15.5
Tyre size chassis	19.0/45-17	19.0/45-17	19.0/45-17	550/60-22.5	550/60-22.5
DiscSystem-diameter Ø (cm)	52	52	52	52	52
DiscSystem disc size (mm)	6	6	6	6	6
Number of DiscSystem discs	40	48	60	80	98
Disc angle (degree)	17	17	17	17	17
Double-acting control devices	3 (+1 resp. for hydr. depth control and Crossbar front)			3	3
Horse power requirement (kW/PS)	110-155/150-210	130-175/180-240	175-235/240-320	220-310/300-420	265-350/360-480
Lower link linkage	Cat. III-III/IV-IV	Cat. III-III/IV-IV	Cat. III-III/IV-IV	Cat. III-III/IV-IV	Cat. III-III/IV-IV
Adj. drawbar linkage	Hitch Ø 42-51 mm	Hitch Ø 42-51 mm	Hitch Ø 42-51-71 mm	Hitch Ø 51-71 mm	Hitch Ø 51-71 mm

HORSCH Joker	5 RT Classic	6 RT Classic	8 RT Classic
Working width (m)	4.75	5.75	7.25
Transport width (m)	3.00	3.00	3.00
Transport height (m)	2.85	3.35	4.00
Length (m)	6.00	6.00	6.00
Weight from (kg)*****	4 660	5 050	5 850
Tyre size support wheels	10.0/75-15.3	10.0/75-15.3	10.0/75-15.3
Tyre size chassis	400/60-15.5	400/60-15.5	400/60-15.5
DiscSystem-diameter Ø (cm)	52	52	52
DiscSystem disc size (mm)	6	6	6
Number of DiscSystem discs	40	48	60
Disc angle (degree)	17	17	17
Double-acting control devices	3	3	3
Horse power requirement (kW/PS)	110-155/150-210	130-175/180-240	175-235/240-320
Lower link linkage	Cat. III-III/IV-IV	Cat. III-III/IV-IV	Cat. III-III/IV-IV
Adj. drawbar linkage	Hitch Ø 42-51 mm	Hitch Ø 42-51 mm	Hitch Ø 42-51-71 mm

*** Working width with side limit plates
 **** Weights of the machines with minimum equipment with double Rollflex packer
 ***** Weights of the machines with minimum equipment with Rollflex packer





EV-90.150.200 (2017.01_ver.08)

All specifications and diagrams are approximate and not binding. Technical features and design are subject to change.

www.horsch.com

O'CONNORS 

HORSCH

HORSCH Maschinen GmbH
Sitzenhof 1
92421 Schwandorf

Phone: +49 9431 7143-0
Fax: +49 9431 41364
E-Mail: info@horsch.com