

# DISA parts and services catalogue 2023



Because innovation never stops

# DISA Training Department



**A correctly adjusted and well-maintained machine provides better casting products, less scrap, higher uptime and lower running costs by maximizing the life of the Wear parts.**

The training programs provide excellent understanding of your moulding equipment.

The training programs will give you confidence in operating and maintaining your DISA equipment through theoretical and practical exercises.

## **DISA offers the following Training**

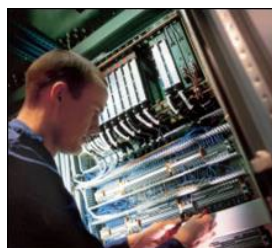
- Standard courses for new customers
- Tailor-made courses for existing customers
- Combined training courses and service visits

## **A Standard Training Program includes**

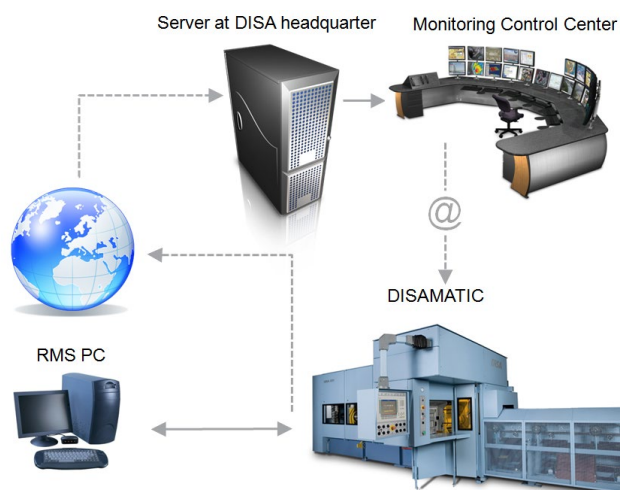
- Operator Training
- Mechanical Training
- Hydraulic and Pneumatic Training
- Understanding Electrical Diagrams
- Systematic Troubleshooting
- Proper Adjustment of the DMS Moulding Line

## **The DISA Training Department can help you increase your Profits by**

- Increasing the uptime of the Moulding Equipment
- Reducing the Scrap Rate
- Getting better qualified Maintenance
- More motivated and committed Employees



# RMS Remote Monitoring System



**Early warnings to prevent downtime and an expert evaluation on a weekly basis**

## Machine Data Logging 24/7

- On operational pressure, speed, acceleration and pump
- A DISA specialist remotely analyses machine data/status
- Immediate response to critical issues
- Erroneous machine behaviour is reported to the customer

## Monthly Reports

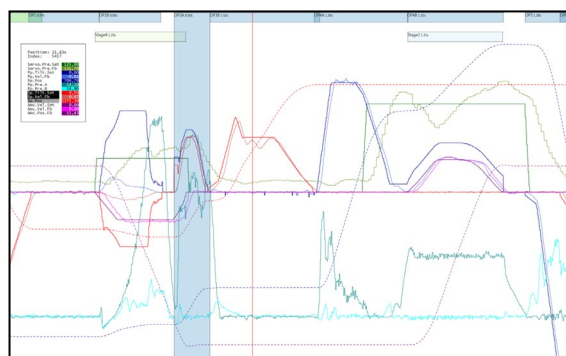
- Performance report based on the weekly inspection with recommendations is sent to the customer once a month

## Remote Diagnostic Assistance

- DISA service organization assist the customer when required
- Easier troubleshooting and support

## Benefits

- Optimize machine performance
- Minimize downtime
- Inside-out view of machine performance
- Act on the early warning signals
- Immediately contact about any critical issues
- Support to more efficient maintenance
- Optimized production



## Machine Type

## Support Status

DISA 130 – 280	Supported
DISAMATIC 2013 PLC upgraded	Supported
DISAMATIC 2013 MK5	Supported
DISAMATIC 2070 MK2	Supported
DISAMATIC 2110 MK3	Supported
DISAMATIC D1	Supported
DISAMATIC D3	Supported

# Production Optimization Training



Well trained operators and maintenance personnel are the key to run your highly automatic DISA moulding machine in the most efficient way.

Understanding how the moulding machine interacts with foundry technology is fundamental to solving products and productivity related problems.

This training program deals with the grey zone between machine and foundry technology. Foundry personnel will achieve the ability to find the root cause to each problem.

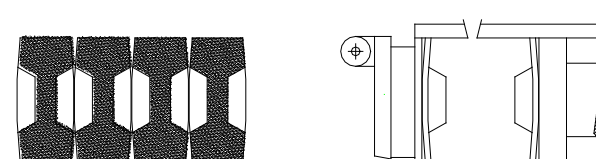
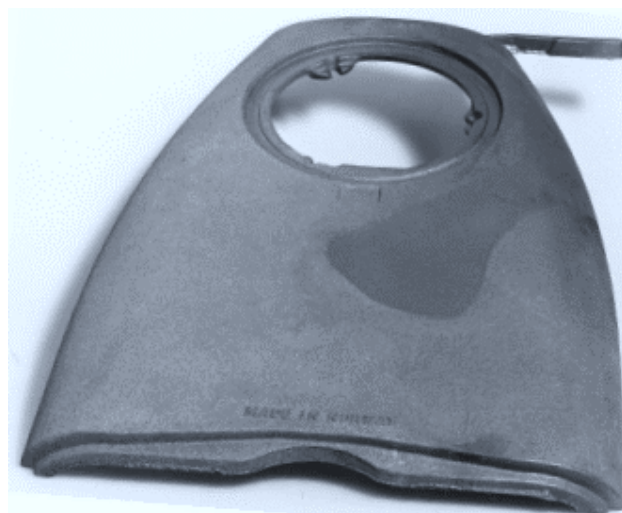
## Essential Training Areas

- Machine and Foundry Technology Training
- Chamber filling
- Unparallel moulds
- Tear off
- Mismatch
- Deformation of mould cavity
- Loose sand in moulds

Production optimization is a 5-days training in machine and foundry technology.

The last day is a workshop on solving customer issues.

Solutions to many common problems are given from a machine and foundry technology perspective.





# Foundry Technology for DISA Operators



Small self directed teams of skilled and well trained operators are the key to run your highly automated moulding machine in the most efficient way.

Bringing foundry technology knowledge to the operators is the easiest and cheapest way to maintain a foundry process of constant improvements, making your foundry more competitive.

This training program produces confident and motivated operators directly involved in the decision making process.

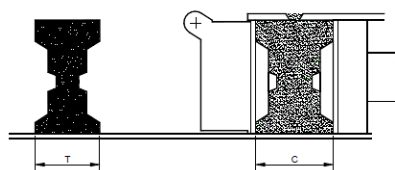
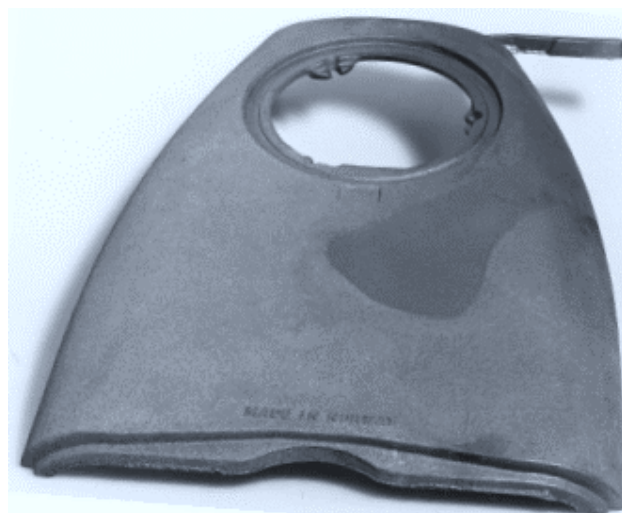
## Essential Training Areas

- Moulding sand
- Pattern equipment
- Moulding of green sand cores
- Process control

The operator training is tailor made to suit the foundries' needs in the best possible way and consists of both theoretical and practical training directly at the customer site.

The final goal is to give the DISA operators the necessary knowledge to be able to maintain on target production.

- Machine Settings
- Production Features



$$\text{Compressibility} = \frac{C - T}{C} \times 100$$

# Foundry Optimization Technology Assistance



The DISA Foundry Optimization Technology Department has for the past four decades, successfully helped hundreds of customers around the world solving problems related to the DISA production line of the foundry process in general.

DISA engineers make up a complete team of experts in foundry technology with a lot of practical experience, cultural and language knowledge.

The technology assistance helps foundries trouble shooting and solving complex problems using modern tools and methods mixed with hands-on experience.

The assistance is tailor-made problem solving to suit the foundries' needs in the best possible way and consists of on-site foundry consultations.

The final goal is to lower production costs and increase earnings long terms.

## Areas of Assistance

- Moulding sand
- Pattern equipment
- Cores
- Moulding of green sand cores
- Feeding and gating
- Process control
- Machine settings
- Production features



# DISA Win-Win through foundry optimization



**Money saved**



**Quality**



**Resource Control**



**Productivity**

**Achieve risk-free process improvements and pay by results. DISA's Application's Win-Win consultancy boosts quality, yield and profit at zero risk**

Foundries working with DISA's Application team of elite engineers can now benefit from a zero risk 'Win-Win' contract - an agreement whereby customers only pay once DISA has delivered real improvements to their process to help them overcome specific pains like the following:

- Improvement of yield
- Reduction of scrap
- Increase the moulding output

DISA's Application engineers agree the target metrics with clients and guide them through the improvement journey, testing and measuring, making recommendations and managing their implementation. Customers must therefore be open to implementation changes.

The aim for DISA is to share our experience from serving hundreds of foundries worldwide, and the Win-Win agreement is only efficient through a trusting and engaged collaboration between DISA and the customer. The customer describes the foundry's pains and can choose up to 10 pattern plates to improve, providing relevant data from production. The customer decides the objectives for optimization.

If the agreed optimization is achieved, the customer pays EUR 5,000 per 1% the category in question improves (up to a maximum of 5% corresponding to EUR 25,000 per pattern plate). Improvements of more than 5% will not be invoiced.

*"With a Win-Win contract, instead of paying a consultancy day rate, the client pays by results. No win, no fee."*

*This arrangement means DISA only gets paid when the engineers improve the process - we take the risk – not the client."*

Bo Wolff Haugbølle  
Vice President, OEM Sales DISA

# Cleaning Tool for Chamber Vents



## Clean Vents are the key to reliability

In order to prevent soft moulds due to sand blocking in the chamber vents, DISA recommends using this cleaning tool kit, which is available for all DISA machines.

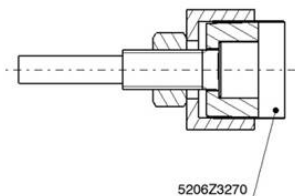
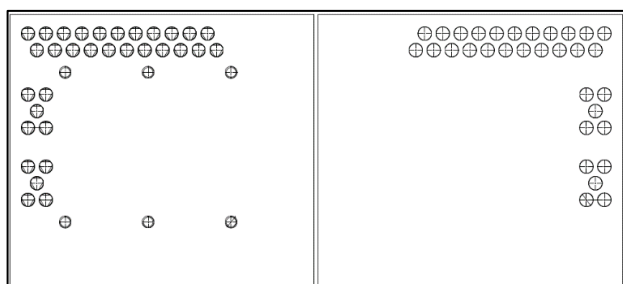
Normally, cleaning of chamber nozzles can be a time consuming task, but this new cleaning tool kit ensures a fast and easy process.

The cleaning tool is prepared for mounting on a regular drilling machine.

## Advantages of applying this kit

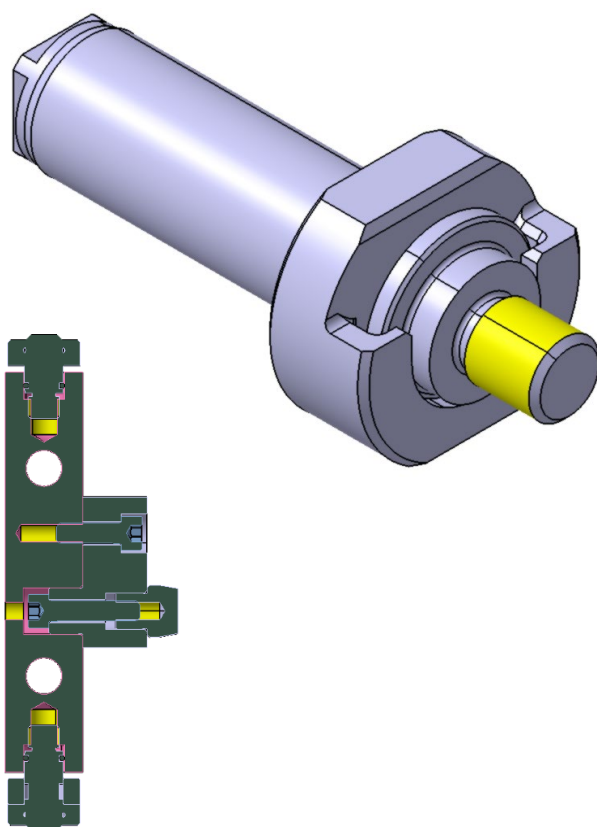
- Prevents soft moulds
- Easy cleaning of chamber nozzles
- Easy to use and handle
- The cleaning tool is delivered assembled

Please contact your local DISA representative and ask for item number **5206Z3260**





# Pattern plate guides and locks for DISA 130, 131, 230, 231 and DISAMATIC D3



## Tackle mismatch with this simple DISA upgrade

**We have got the right solution lined up to reduce mismatch**

Only perfectly aligned pattern plates can produce perfect moulds.

Inconsistent pattern alignment during pattern changes causes mould mismatch which can reduce your casting quality. Faultfinding that mismatch can be very time consuming, eating up hours of unplanned downtime.

To ensure plates are precisely in line, we optimised the guide pins and pattern locks on the latest DISAMATIC D3. These are now available as retrofittable kits for DISA 130/230, 131/231 and DISAMATIC D3 (150201-150261).

### The result?

Constantly aligned pattern plates after every pattern change. And it's an easy upgrade for your machine too.

The DMM kits include all necessary update parts and screws to update 10 sets of pattern plates.

The APC kit includes new locks and pivoting brackets to update 2 pattern plate jigs.

**Minimise pattern misalignment**

Upgrading your DISAMATIC with stronger guide pins and floating pattern locks gives you reliable, ultra-accurate pattern plate alignment.

The new guide pin mechanism is stiffer with tighter tolerances, so alignment is consistently better – today and for years to come. Changing patterns becomes easier too.

Fit a pattern lock upgrade kit to your DISAMATIC machine and gain:

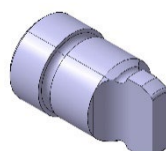
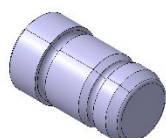
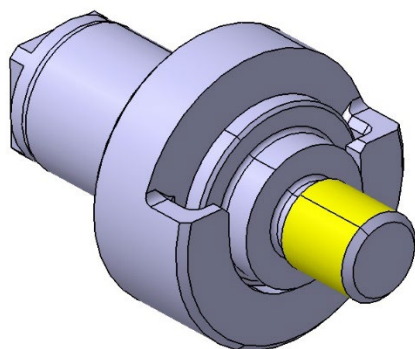
- Perfect pattern plate alignment for minimum mould mismatch
- A more rigid connection between machine and pattern plates
- Faster, slicker pattern plate changes by operators

**Consistent accuracy and quality**

Fitting new pins and guide locks to your DISAMATIC machine is quick and easy. Just click on the button below to find a simple route to cutting-edge mould and casting accuracy.

Part Type	Part No.
Kit_Not comp. A/B/X/Y/Z, M12, D3	11148204
Kit_Not comp. C, M12, D3	11148235
Kit_Comp. A/B/X, M12, D3	11148236
Kit_Not comp. A/B/X/Y/Z, UNC, D3	11148292
Kit_Not comp. C, UNC, D3	11148305
Kit_Comp. A/B/X, UNC, D3	11148307
Kit_APC parts, D3	11148321

# Pattern plate guides and locks for DISAMATIC 2013



## Tackle mismatch with this simple DISA upgrade

**We have got the right solution lined up to reduce mismatch**

Only perfectly aligned pattern plates can produce perfect moulds.

Inconsistent pattern alignment during pattern changes causes mould mismatch which can reduce your casting quality. Faultfinding that mismatch can be very time consuming, eating up hours of unplanned downtime.

To ensure plates are precisely in line, we optimised the guide pins and pattern locks on the latest DISAMATIC D3. These are now available as retrofittable kits for DISAMATIC 2013.

### The result?

Constantly aligned pattern plates after every pattern change. And it's an easy upgrade for your machine too.

The DMM kits include all necessary update parts and screws to update 10 sets of pattern plates.

**Minimise pattern misalignment**

Upgrading your DISAMATIC with new guide pins, floating pattern locks and screws gives you reliable, ultra-accurate pattern plate alignment.

The new solution for 2013 is compatible with the latest design of DISAMATIC D3 and enables use of the same pattern plates across the machine generations.

Fit a pattern lock upgrade kit to your DISAMATIC machine and gain:

- Perfect pattern plate alignment for minimum mould mismatch
- A more rigid connection between machine and pattern plates
- Faster, slicker pattern plate changes by operators

**Consistent accuracy and quality**

Fitting new pins and guide locks to your DISAMATIC machine is quick and easy. Just click on the button below to find a simple route to cutting-edge mould and casting accuracy.

Part Type	Part No.
Kit_A/B, M12, 2013	11418836
Kit_A/B, UNC, 2013	11419234

# V-rings for Core Masks



## V-rings in Core Masks

Sometimes it is necessary to obtain a better sealing and an increased suction area for holding the cores in position in the core mask. This can be done by using V-rings (lip rings) in the core mask.

This can be necessary in cases of heavy cores or cores where the location of the suction area is unfavorable because of the core geometry.

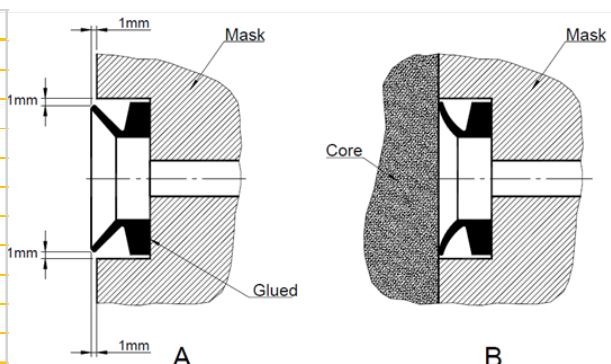
In many cases a simple small recess is made in the core mask in which the V-ring can be glued into position.

The figure below shows the principle in the use of and placement of the V-ring. A is Unloaded and B is loaded.

Please contact your local DISA Representative and ask for the part required from the table below.



Part Type	Part No.	Inner dia (d)	Outer dia (D)	Height (H)
V-ring - D5,5 - 6,5	10083362	5,0	9,0	3,7
V-ring - D8,0 - 9,5	10083363	7,0	11,0	3,7
V-ring - D9,5 - 11,5	10083364	9,0	15,0	5,5
V-ring - D911,5 - 12,5	10083365	10,5	16,5	5,5
V-ring - V14A	9105F0985	12,5	18,5	5,5
V-ring - D15,5 - 17	10083366	14,0	20,0	5,5
V-ring - D17,5 - 19	10083367	16,0	22,0	5,5
V-ring - D19 - 21	10083368	18,0	26,0	7,5
V-ring - D24 - 27	10083369	22,0	30,0	7,5
V-ring - V40A	9105F0642	38,0	43,0	9,0
V-ring - D53 - 58	10083208	49,0	59,0	9,0



# Tie Rod and Bushing for DISA 130, 131, 230, 231 and D3



## Maintaining Casting Quality

Keeping your DISA in top operating condition is one of the keys to maintaining your overall casting quality. Worn tie rods and bushings can lead or contribute to parting line shift, sand inclusion and other casting defects related to the moulding process.

DISA has designed and assembled an easy to order kit to help ensure that you order all of the necessary components required to replace the swing plate guiding system.

This kit includes 4 hardened tie rods, 4 bushings and all necessary seals and scrapers for a complete overhaul of tie rods.

- Easy and convenient to order all necessary parts
- Reduced price compared to ordering the parts individually

Please contact your local DISA Representative and ask for item number **10166129**

Part Type	Part No.	Qty
Tie Rod Bearing	2440F2000	4
Tie Rod Hardened	2440F2080	4
Scraper	9105F0974	8
Stepseal	9105F1001	8
O-Ring	10083357	4
O-Ring	10083328	4
O-Ring	10083052	4





# AMC Thrust Bar Support Rollers for DISAMATIC 2013 MK3, MK4 A/B and MK4 LP



## Reduce your change Out-time

Keeping your DISAMATIC in top operating condition is one of the keys to maintain your overall casting quality.

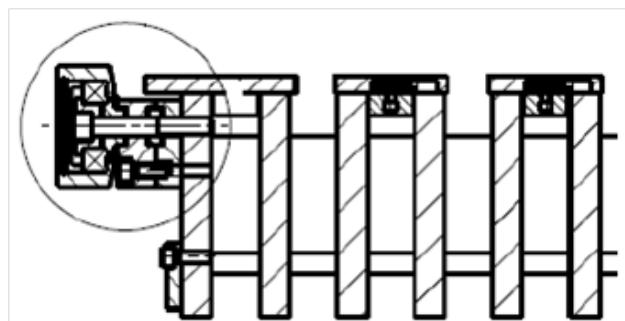
The AMC is a vital part of the moulding process and is subject to extreme heat in addition to Wear associated with transporting the mould string.

To help reduce maintenance man-hours, DISA has designed and assembled an easy to change AMC roller to save you time and money.

This new design roller is currently available for A, B, C & X size machines.

Please contact your local DISA Representative and ask for the part specified for your machine type as indicated in table below.

Machine Type	Part No.
DISAMATIC 2013 MK3, MK4 A/B & MK4 LP	10179021
	2052R0280
Replaces:	2052R0310



# AMC Thrust Bar Support Rollers for DISAMATIC 2013 MK5, DISA 130, 131, 230 and 231



## Reduce your change Out-time

Keeping your DISAMATIC in top operating condition is one of the keys to maintain your overall casting quality.

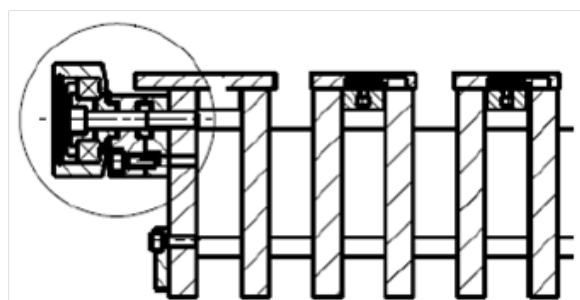
The AMC is a vital part of the moulding process and is subject to extreme heat in addition to Wear associated with transporting the mould string.

To help reduce maintenance man-hours, DISA has designed and assembled an easy to change AMC roller to save you time and money.

This new design roller is currently available for A, B, C & X size machines.

Contact your local DISA Representative and ask for the part specified for your machine type as indicated in table below.

Machine Type	Part No.
DISAMATIC 2013 MK5 & DISA 130 - 231	10135450
Replaces:	2052R0790
	2052R0800



# Bushing for DISAMATIC 2013 MK3, MK4, MK4 LP and MK5



## Maintaining Casting Quality

Keeping your DISAMATIC in top operating condition is one of the keys to maintain your overall casting quality.

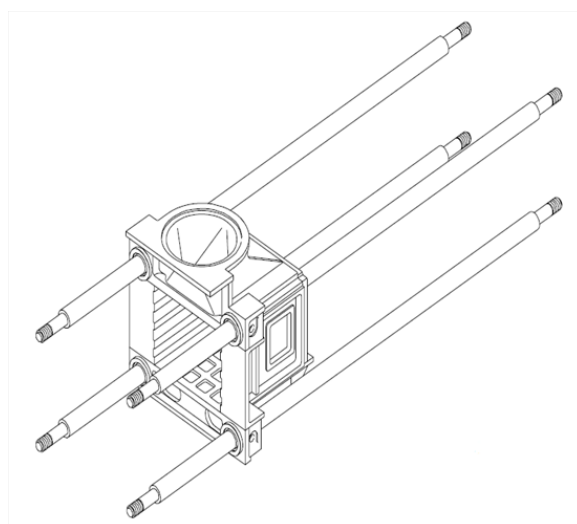
Worn tie rods and bushings can lead or contribute to parting line shift (mismatch), sand inclusion and other casting defects related to the moulding process.

DISA has designed and assembled an easy to order kit to help ensure that you order all of the bushings and scrapers required to replace the Swing Plate guiding system.

This kit is currently available for 2013 Mk 3 through 2013 Mk 5 machines with A, B & X chamber sizes.

Please contact your local DISA Representative and ask for item number **10165667**

Part Name	Part No.	Qty
Bushing	2040F1061	12
Scrapers	2040F0471	40
Fittings	2050D1130	12



# Automatic Cleaning of Lifting Cam's for DISA 130, 131 and 230



The kit for automatic cleaning of lifting cam's is developed to give you a lower cost of maintenance and to upgrade existing machines with the latest technology.

Further more this kit will provide a more smooth movement of SP operations, and it will increase the lifetime on all Wear parts in the SP lifting mechanism.

**Easy installation and low cost compared to parts lifetime.**

- Extend the lifetime to lifting cam's
- Extended lifetime to SP bearings
- Reduce your cost of maintenance
- More smooth movement of SP in Op. 3 and 6

Please contact your local DISA Representative and ask for item number **10098012**





# Tie Rod and Bushing for DISAMATIC 2013 MK3, MK4 and MK5



## Maintaining Casting Quality

Keeping your DISAMATIC in top operational condition is one of the keys to your overall casting quality.

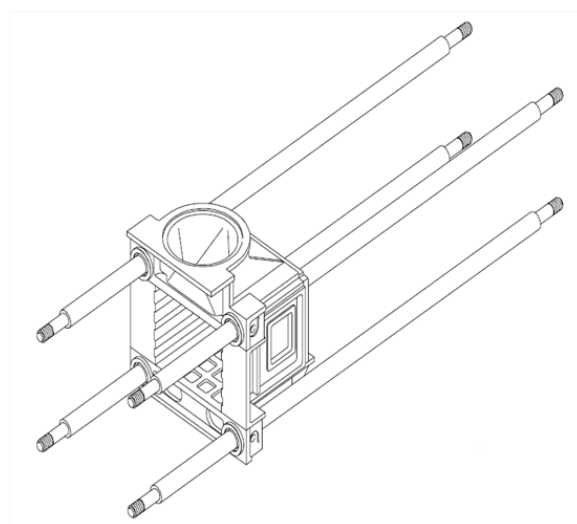
Worn tie rods and bushings can lead or contribute to parting line shift, Sand inclusion and other casting defects related to the moulding process.

DISA has designed and assembled an easy to order kit to help ensure that you order all of the necessary components required to replace the Swing Plate guiding system.

This kit is currently available for 2013 Mk3 - 5 machines with A, B & X chamber sizes.

Please contact your local DISA Representative and ask for item number **10177443**

Part Name	Part No.	Qty
Tie Rods	2011B1472	4
Bushings	2040F1061	12
Flange Scraper	2040F0041	24
Scrapers	2040F0471	40
Fittings	2050D1130	12
Screws	10023336	96



# Hydraulic Filter Kit for DISAMATIC 2013 MK5



## Clean Oil is key to reliability

Most hydraulic component failures are due to the presence of abrasive contaminants in the fluid.

Clean hydraulic fluid is the key to reliability, and effective contamination control is the way to achieve and maintain this.

## Get a Filter Kit for every 800,000 moulds produced

This hydraulic filter kit contains all filter cartridges for 800,000 moulds.

## 3 advantages of applying this kit

- Avoid unplanned stops due to oil contamination
- Reduce cost of maintenance by preventive replacement of filter cartridges
- We recommend to replace the filters by a delivery that matches your foundry plan

## The kit can be installed to

- 2013 MK5 with serial number 2919 and higher
- 2013 MK5 that have been upgraded with **2050R9930**
- 2013 MK4 that have been upgraded with **2040R7540**
- 2013 MK4 LP that have been upgraded with **2040R7530**

Please contact your local DISA Representative and ask for item number **10177450**

Type of Machine:  
**DISAMATIC 2013 MK5**

Part Name	Component	Part No.	Qty
<b>DMM hydraulic</b>			
Breather filter	HY57	9107L7003	2
HY filter	HY20	9107L7490	1
HY filter	HY21	9107L7535	1
<b>AMC</b>			
Breather filter	HY119	9107L7003	2
HY filter	HY113	9107L7490	1



# Hydraulic Filter Kit for DISA 230



## Clean Oil is key to reliability

Most hydraulic component failures are due to the presence of abrasive contaminants in the Fluid.

Clean hydraulic fluid is the key to reliability, and effective contamination control is the way to achieve and maintain this.

## Get a Filter Kit for every 800,000 moulds produced

This hydraulic filter kit contains all filter cartridges for 800,000 moulds.

## 3 advantages of applying this kit

- Avoid unplanned stops due to oil contamination
- Reduce cost of maintenance by preventive replacement of filter cartridges
- We recommend to replace the filters by a delivery that matches your foundry plan

Please contact your local DISA Representative for more information.

Type of Machine: DISA 230

Machine Type	Part No.
DISA 230	10122551



# Hydraulic Filter Kit for DISA 240



## Clean Oil is key to reliability

Most hydraulic component failures are due to the presence of abrasive contaminants in the Fluid.

Clean hydraulic Fluid is the key to reliability, and effective contamination control is the way to achieve and maintain this.

## Get a Filter Kit for every 800,000 moulds produced

This hydraulic filter kit contains all filter cartridges for 800,000 moulds.

## 3 Advantages of applying this kit

- Avoid unplanned stops due to oil contamination
- Reduce cost of maintenance by preventive replacement of filter cartridges
- We recommend to replace the filters by a delivery that matches your foundry plan

Please contact your local DISA Representative and ask for this item.

## Type of Machine: DISA 240

Machine Type	Serial No.	Part No.
DISA 240	170001 - 170026	10122553
	170027 -	10852287





# Hydraulic Filter Kit for DISA 250



## Clean Oil is key to reliability

Most hydraulic component failures are due to the presence of abrasive contaminants in the Fluid.

Clean hydraulic fluid is the key to reliability, and effective contamination control is the way to achieve and maintain this.

## Get a Filter Kit for every 800,000 moulds produced

This hydraulic filter kit contains all filter cartridges for 800,000 moulds.

## 3 advantages of applying this kit

- Avoid unplanned stops due to oil contamination
- Reduce cost of maintenance by preventive replacement of filter cartridges
- We recommend to replace the filters by a delivery that matches your foundry plan

Please contact your local DISA Representative and ask for this item.

## Type of Machine: DISA 250

Machine Type	Serial No.	Part No.
DISA 250	160001 - 160015	10122553
	160016 -	10852287



# Hydraulic Filter Kit for DISA 270



## Clean Oil is key to reliability

Most hydraulic component failures are due to the presence of abrasive contaminants in the Fluid.

Clean hydraulic Fluid is the key to reliability, and effective contamination control is the way to achieve and maintain this.

## Get a Filter Kit for every 800,000 moulds produced

This hydraulic filter kit contains all filter cartridges for 800,000 moulds.

## 3 advantages of applying this kit

- Avoid unplanned stops due to oil contamination
- Reduce cost of maintenance by preventive replacement of filter cartridges
- We recommend to replace the filters by a delivery that matches your foundry plan

Please contact your local DISA Representative and ask for this item.

## Type of Machine: DISA 270

Machine Type	Serial No.	Part No.
DISA 270	180001 - 180010	10122553
	180011 -	10852287



# Hydraulic Filter Kit for DISA 280 (Serial numbers 190001-190006)



## Clean Oil is key to reliability

Most hydraulic component failures are due to the presence of abrasive contaminants in the Fluid.

Clean hydraulic fluid is the key to reliability, and effective contamination control is the way to achieve and maintain this.

## Get a Filter Kit for every 800,000 moulds produced

This hydraulic filter kit contains all filter cartridges for 800,000 moulds.

## 3 advantages of applying this kit

- Avoid unplanned stops due to oil contamination
- Reduce cost of maintenance by preventive replacement of filter cartridges
- We recommend to replace the filters by a delivery that matches your foundry plan

Please contact your local DISA Representative and ask for item number **10642693**

## Type of Machine: DISA 280

Part Name	Component	Part No.	Qty
<b>DMM Hydraulic</b>			
Breather filter	H0 V88	9107L7332	4
HY filter	H1 Z55	9107L7510	1
HY filter	H1 Z62	9107L8005	2
<b>Central Lubrication</b>			
Oil filter	L1 Z2	9107L5701	4
<b>AMC/PMC</b>			
Breather filter	H3 Z103	9107L7833	1
HY filter	H3 Z112	9107L7512	1



# Hydraulic Filter Kit for DISA 231



## Clean Oil is key to reliability

Most hydraulic component failures are due to the presence of abrasive contaminants in the Fluid.

Clean hydraulic fluid is the key to reliability, and effective contamination control is the way to achieve and maintain this.

## Get a Filter Kit for every 800,000 moulds produced

This hydraulic filter kit contains all filter cartridges for 800,000 moulds.

## 3 advantages of applying this kit

- Avoid unplanned stops due to oil contamination
- Reduce cost of maintenance by preventive replacement of filter cartridges
- We recommend to replace the filters by a delivery that matches your foundry plan

Please contact your local DISA Representative and ask for item number **10122552**

## Type of Machine: DISA 231

Machine Type	Serial No.	Part No.
DISA 231	150101 - 150184	10122552
	150185 -	10852277



# Hydraulic Filter Kit for DISA 130 and 131



## Clean Oil is key to reliability

Most hydraulic component failures are due to the presence of abrasive contaminants in the Fluid.

Clean hydraulic fluid is the key to reliability, and effective contamination control is the way to achieve and maintain this.

## Get a Filter Kit for every 800,000 moulds produced

This hydraulic filter kit contains all filter cartridges for 800,000 moulds.

## 3 advantages of applying this kit

- Avoid unplanned stops due to oil contamination
- Reduce cost of maintenance by preventive replacement of filter cartridges
- We recommend to replace the filters by a delivery that matches your foundry plan

Please contact your local DISA Representative and ask for item number **10122554**

## Type of Machine: DISA 130 & 131

Part Name	Component	Part No.	Qty
<b>DMM Hydraulic</b>			
Breather filter	H0 V88	9107L7332	4
HY filter	H1 Z55	9107L7512	1
HY filter	H1 Z64	9107L7512	1
<b>Central Lubrication</b>			
Oil filter	L1 Z2	9107L5701	4





# Hydraulic Filter Kit for DISAMATIC 2120



## Clean Oil is key to reliability

Most hydraulic component failures are due to the presence of abrasive contaminants in the Fluid.

Clean hydraulic fluid is the key to reliability, and effective contamination control is the way to achieve and maintain this.

## Get a Filter Kit for every 800,000 moulds produced

This hydraulic filter kit contains all filter cartridges for 800,000 moulds.

## 3 advantages of applying this kit

- Avoid unplanned stops due to oil contamination
- Reduce cost of maintenance by preventive replacement of filter cartridges
- We recommend to replace the filters by a delivery that matches your foundry plan

Please contact your local DISA Representative and ask for item number **10152507**

## Type of Machine: DISAMATIC 2120

Part Name	Component	Part No.	Qty
<b>DMM Hydraulic</b>			
Breather filter	HY2	9107L7132	4
HY filter	HY18	9107L7153	1
HY filter	HY20	9107L7077	1
Off line filter	HY45	9107L7118	1



# Hydraulic Filter Kit for DISAMATIC 2130



## Clean Oil is key to reliability

Most hydraulic component failures are due to the presence of abrasive contaminants in the Fluid.

Clean hydraulic fluid is the key to reliability, and effective contamination control is the way to achieve and maintain this.

## Get a Filter Kit for every 800,000 moulds produced

This hydraulic filter kit contains all filter cartridges for 800,000 moulds.

## 3 advantages of applying this kit

- Avoid unplanned stops due to oil contamination
- Reduce cost of maintenance by preventive replacement of filter cartridges
- We recommend to replace the filters by a delivery that matches your foundry plan

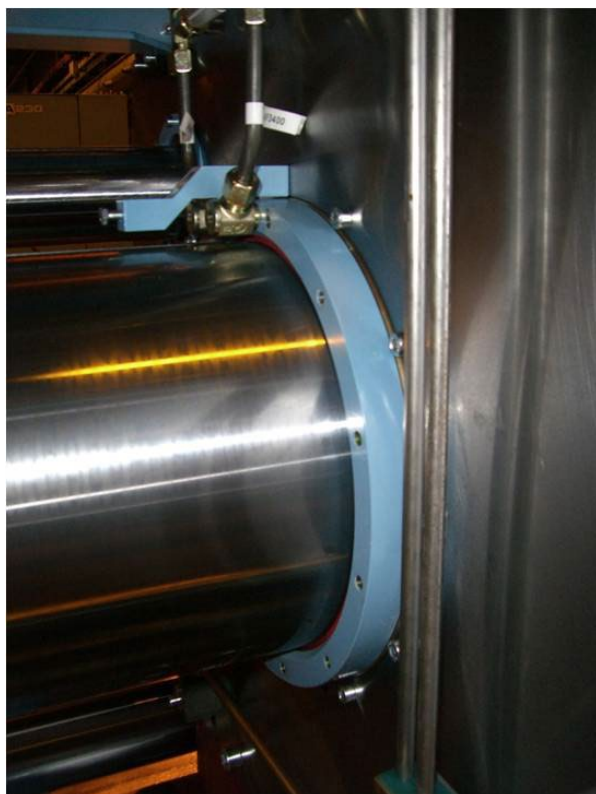
Please contact your local DISA Representative and ask for item number **10152508**

## Type of Machine: DISAMATIC 2130

Part Name	Component	Part No.	Qty
<b>DMM Hydraulic</b>			
Breather filter	HY2	9107L7132	8
HY filter	HY10	9107L7058	1
HY filter	HY18	9107L7077	1
HY filter	HY20	9107L7077	1
Off line filter	HY45	9107L7118	1
<b>Central Lubrication</b>			
Oil filter	L1 Z2	9107L5701	4



# Seal Kit for PP Chamber Bearings for DISA 130, 131, 230 and 231



## Maintenance of PP Chamber Bearings

When considering your preventive maintenance incentives, we recommend repairing the chamber bearings in order to avoid Wear on the outer piston.

It is important to keep all scrapers and seals in good condition; therefore we recommend preventive maintenance on chamber bearings as a minimum at every 1 million moulds. This can easily be performed using this DISA repair kit, which has all the necessary parts included.

## 3 advantages of applying this kit

- Improves the Lifetime of Outer Piston
- Improves the Lifetime of the Chamber Bearing
- Easy to order - only one item number, which includes all necessary parts

The seal kit is delivered with all O-rings, step-seals, scraper and Loctite, so that repairing of the chamber bearings can be easily performed.

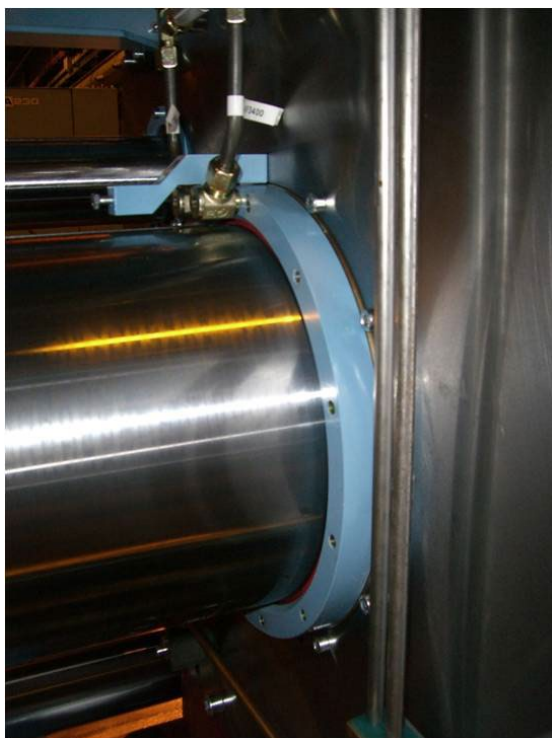
The seal kit can be installed on all new generations of DISA machines.

Please contact your local DISA Representative and ask for the part specified for your Machine Type and Serial number as indicated in the tables below.

Type of Machine	Serial No.	Seal Kit Item No.	Bushing Item No.
DISA 131-350	140001-140053	2440R2260	2440B2520
DISA 131-350	140054->	10633585	2440B2520
DISA 131-400	140201-140228	2440R2260	2440B2520
DISA 131-400	140229->	10633585	2440B2520

Type of Machine	Serial No.	Seal Kit Item No.	Bushing Item No.
DISA 230	All	2440R2260	2440B2520
DISA 231	150101-150149	2440R2260	2440B2520
DISA 231	150151-150160	2440R2260	2440B2520
DISA 231	150150+150161->	10633585	2440B2520

# Seal Kit for PP Chamber Bearings for DISA 240 and 250



## Maintenance of PP Chamber Bearings

When considering your preventive maintenance incentives, we recommend repairing the chamber bearings in order to avoid Wear on the outer piston.

It is important to keep all scrapers and seals in good condition; Therefore we recommend preventive maintenance on chamber bearings as a minimum at every 1 million moulds. This can easily be performed using this DISA repair kit, which has all the necessary parts included.

## 3 Advantages of applying this kit

- Improves the Lifetime of Outer Piston
- Improves the Lifetime of the Chamber Bearing
- Easy to order - only one item number, which includes all necessary parts.

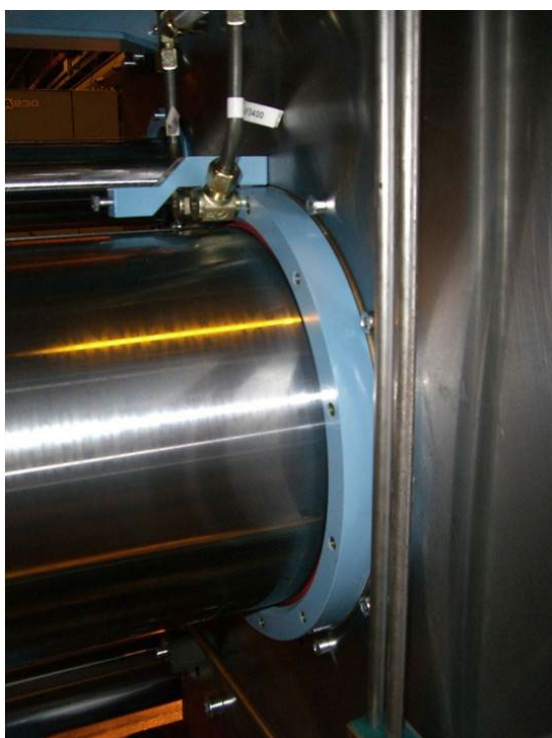
The seal kit is delivered with all O-rings, step-seals, scraper and Loctite, so that repairing of the chamber bearings can be easily performed.

The seal kit can be installed on all new generations of DISA machines.

Please contact your local DISA Representative and ask for the part specified for your Machine Type and Serial number as indicated in the table below.

Type of Machine	Serial No.	Seal Kit Item No.	Bushing Item No.
DISA 240	170001-170020	2450R0320	2450B2000
	170021->	10633579	2450B2000
Type of Machine	Serial No.	Seal Kit Item No.	Bushing Item No.
DISA 250	160001-160012	2450R0320	2450B2000
	160013->	10633579	2450B2000

# Seal Kit for PP Chamber Bearings for DISA 270



## Maintenance of PP Chamber Bearings

When considering your preventive maintenance incentives, we recommend repairing the chamber bearings in order to avoid Wear on the outer piston.

It is important to keep all scrapers and seals in good condition; Therefore we recommend preventive maintenance on chamber bearings as a minimum at every 1 million moulds. This can easily be performed using this DISA repair kit, which has all the necessary parts included.

## 3 Advantages of applying this kit

- Improves the Lifetime of Outer Piston
- Improves the Lifetime of the Chamber Bearing
- Easy to order - only one item number, which includes all necessary parts.

The seal kit is delivered with all O-rings, step-seals, scraper and Loctite, so that repairing of the chamber bearings can be easily performed.

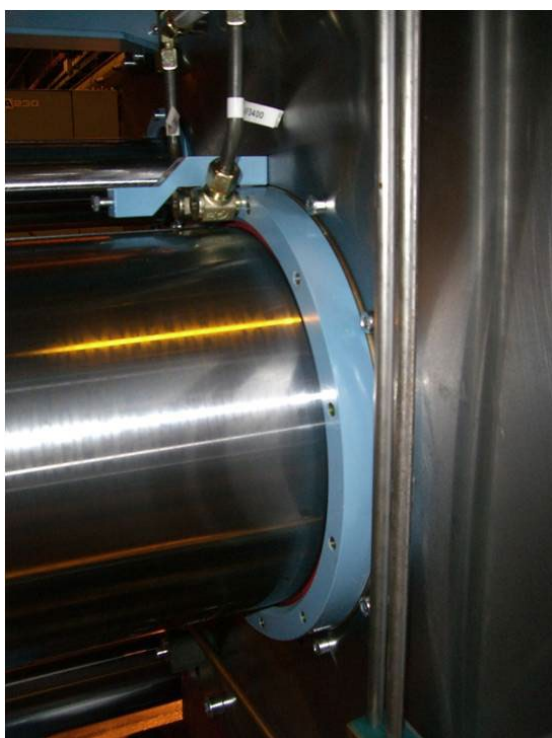
The seal kit can be installed on all new generations of DISA machines

Please contact your local DISA Representative and ask for the part specified for your Machine Type and Serial number as indicated in the table below.

Type of Machine	Seal Kit Item No.	Bushing Item No.
DISA 270	2470R0150	2470B2280



# Seal Kit for PP Chamber Bearings for DISA 280



## Maintenance of PP Chamber Bearings

When considering your preventive maintenance incentives, we recommend repairing the chamber bearings in order to avoid Wear on the outer piston.

It is important to keep all scrapers and seals in good condition; Therefore we recommend preventive maintenance on chamber bearings as a minimum at every 1 million moulds. This can easily be performed using this DISA repair kit, which has all the necessary parts included.

## 3 Advantages of applying this kit

- Improves the Lifetime of Outer Piston
- Improves the Lifetime of the Chamber Bearing
- Easy to order - only one item number, which includes all necessary parts.

The seal kit is delivered with all O-rings, step-seals, scraper and Loctite, so that repairing of the chamber bearings can be easily performed.

The seal kit can be installed on all new generations of DISA machines.

Please contact your local DISA Representative and ask for the part specified for your Machine Type and Serial number as indicated in the table below.

Type of Machine	Seal Kit Item No.	Bushing Item No.
DISA 280	2490R0110	2490B2110

# Seal Kit for PP Chamber Bearings for DISAMATIC D3



## Maintenance of PP Chamber Bearings

When considering your preventive maintenance incentives, we recommend repairing the chamber bearings in order to avoid Wear on the outer piston.

It is important to keep all scrapers and seals in good condition; Therefore we recommend preventive maintenance on chamber bearings as a minimum at every 1 million moulds. This can easily be performed using this DISA repair kit, which has all the necessary parts included.

## 3 Advantages of applying this kit

- Improves the Lifetime of Outer Piston
- Improves the Lifetime of the Chamber Bearing
- Easy to order - only one item number, which includes all necessary parts.

The seal kit is delivered with all O-rings, step-seals, scraper and Loctite, so that repairing of the chamber bearings can be easily performed.

The seal kit can be installed on all new generations of DISA machines.

Please contact your local DISA Representative and ask for the part specified for your Machine Type and Serial number as indicated in the table below.

Type of Machine	Seal Kit Item No.	Bushing Item No.
DISAMATIC D3	10633585	2440B2520

# Vacuum Unit for DISAMATIC 2013, DISA 130 – 250 and DISA MATCH



## New Vacuum Unit

Based on the new generation of machines, DISA now provides a new vacuum unit.

The new vacuum unit is driven by air and is even more silent than the previous unit.

The new unit is fully compatible with the previous vacuum unit, providing a vacuum of -0.25 bar, and very easy to install.

The new vacuum unit is more reliable than the old unit and requires less maintenance.

The consuming of air is 3.4 m3 per minute with a pressure of 6 bar.

## 4 good reasons to install the new Vacuum Unit on DISA moulding machines

- Less Maintenance
- More silent to operate
- Easy installation
- Higher reliability

Please contact your local DISA Representative and ask for the part specified for your Machine Type as indicated in the table below.

Type of Machine	Component	Part No.
DISAMATIC 2013	110V	10026632
DISA 130 - 250	24V	10162998
DISA MATCH	24V	10162998



# Seal Kit for PP, SP Main Cylinder and HY-10 for DISA 130, 131, 230, 231 and D3



This is a complete seal kit that allows you to replace all seals in the PP Cylinder, SP cylinder and the HY10 valve at the same time.

We have included the seals for Hy10 valve, because it is a great opportunity to repair and inspect the HY10 valve when you have already drained the oil from the main cylinders.

Make sure to check the HY10 valve and valve seat for damage. The spring inside HY10 should also be visually inspected for damage.

This kit it also very suitable if you only replace the seals in one of the two main cylinders.

As all the seals are the same in the PP and SP cylinders, this kit will make sure you have a spare seal, if you should damage a seal during the assembly of either the PP or SP cylinder.

## Some of the advantages of applying this kit:

- Easy to order – only one item number, which includes all seals and O-rings
- All seals / O-rings to repair PP cylinder, SP cylinder and HY10 at the same time
- Replace seals to keep your machine in top condition for maximum production speed
- A great opportunity to inspect the big HY10 Valve for wear

Please contact your local DISA Representative and ask for the part specified for your Machine Type as indicated in the table below.

Type of Machine	Part No.
DISA 130, 131, 230 & 231 and D3	2440R0420

# Seal Kit for PP, SP Main Cylinder and HY-10 for DISA 240 and 250



This is a complete seal kit that allows you to replace all seals in the PP Cylinder, SP cylinder and the HY10 valve at the same time.

We have included the seals for Hy10 valve, because it is a great opportunity to repair and inspect the HY10 valve when you have already drained the oil from the main cylinders.

Make sure to check the HY10 valve and valve seat for damage. The spring inside HY10 should also be visually inspected for damage.

This kit it also very suitable if you only replace the seals in one of the two main cylinders.

As all the seals are the same in the PP and SP cylinders, this kit will make sure you have a spare seal, if you should damage a seal during the assembly of either the PP or SP cylinder.

## Some of the advantages of applying this kit:

- Easy to order – only one item number, which includes all seals and O-rings
- All seals / O-rings to repair PP cylinder, SP cylinder and HY10 at the same time
- Replace seals to keep your machine in top condition for maximum production speed
- A great opportunity to inspect the big HY10 Valve for wear

Please contact your local DISA Representative and ask for the part specified for your Machine Type as indicated in the table below.

Type of Machine	Part No.
DISA 240 and 250	2450R0310



# Seal Kit for PP, SP Main Cylinder and HY-10 for DISA 270



This is a complete seal kit that allows you to replace all seals in the PP Cylinder, SP cylinder and the HY10 valve at the same time.

We have included the seals for Hy10 valve, because it is a great opportunity to repair and inspect the HY10 valve when you have already drained the oil from the main cylinders.

Make sure to check the HY10 valve and valve seat for damage. The spring inside HY10 should also be visually inspected for damage.

This kit it also very suitable if you only replace the seals in one of the two main cylinders.

As all the seals are the same in the PP and SP cylinders, this kit will make sure you have a spare seal, if you should damage a seal during the assembly of either the PP or SP cylinder.

## Some of the advantages of applying this kit:

- Easy to order – only one item number, which includes all seals and O-rings
- All seals / O-rings to repair PP cylinder, SP cylinder and HY10 at the same time
- Replace seals to keep your machine in top condition for maximum production speed
- A great opportunity to inspect the big HY10 Valve for wear

Please contact your local DISA Representative and ask for the part specified for your Machine Type as indicated in the table below.

Type of Machine	Part No.
DISA 270	2470R0170

# Seal Kit for PP, SP Main Cylinder and HY-10 for DISA 280



This is a complete seal kit that allows you to replace all seals in the PP Cylinder, SP cylinder and the HY10 valve at the same time.

We have included the seals for Hy10 valve, because it is a great opportunity to repair and inspect the HY10 valve when you have already drained the oil from the main cylinders.

Make sure to check the HY10 valve and valve seat for damage. The spring inside HY10 should also be visually inspected for damage.

This kit is also very suitable if you only replace the seals in one of the two main cylinders.

As all the seals are the same in the PP and SP cylinders, this kit will make sure you have a spare seal, if you should damage a seal during the assembly of either the PP or SP cylinder.

## Some of the advantages of applying this kit:

- Easy to order – only one item number, which includes all seals and O-rings
- All seals / O-rings to repair PP cylinder, SP cylinder and HY10 at the same time
- Replace seals to keep your machine in top condition for maximum production speed
- A great opportunity to inspect the big HY10 Valve for wear

Please contact your local DISA Representative and ask for the part specified for your Machine Type as indicated in the table below.

Type of Machine	Part No.
DISA 280	2490R0090

# New Base Plate, Wear Plate and Spray System for DISA MATCH 130



## New improved design of Cope and Drag base and Wear Plates incl. a new developed Spray system

- Uniform distribution of Spray Fluid on Pattern surface
- Minimum Fluid dripping after Spray Valve shut off
- Less Sand block up in Spray nozzle
- Easy mounting / dismantling of Spray nozzle assembly on Squeeze Plate
- Easy cleaning procedure
- Different Spray angles available to reach best Pattern Spray cover (Optional)
- Hardened materials for all surfaces with Sand contact
- Height adjustment shims to ensure level fit with the Wear Plate

## New Cope and Drag Squeeze Plate

- Without Groove for the inflatable sealing
- Prepared for the new Spray system

## New Cope and Drag Wear Plate

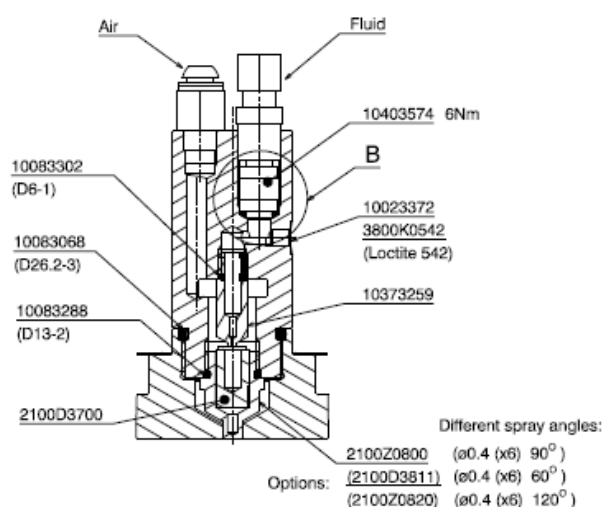
- Integrated Groove for Inflatable Sealing
- Future changing of Wear Plate. You will automatically receive a new fresh Groove for the Inflatable Sealing

Contact your local DISA Representative and ask for:

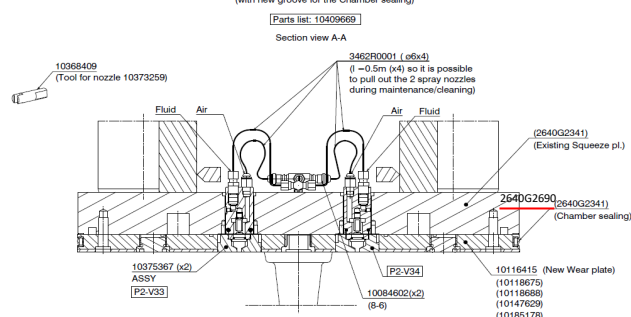
Drag Squeeze Plate Kit: Item number **10409075**

Cope Squeeze Plate Kit: Item number **10409755**

Section view A-A



A: Modification of the existing Squeeze plate New Wear plate (with new groove for the Chamber sealing)



# Wear Plate and Spray System for DISA MATCH 130



## New improved Design of Cope and Drag Base and Wear Plates incl. a new developed Spray System

- Uniform distribution of Spray Fluid on Pattern Surface
- Minimum Fluid dripping after Spray Valve shut off
- Less Sand block up in Spray Nozzle
- Easy mounting / dismounting of Spray Nozzle assembly on Squeeze Plate
- Easy cleaning Procedure
- Different Spray Angles available to reach best Pattern Spray Cover (Optional)
- Hardened materials for all surfaces with Sand contact
- Height adjustment shims to ensure level fit with the Wear Plate

## Plate

- Integrated Groove for inflatable sealing
- Future changing of Wear Plate, you will automatically receive a new fresh Groove for the inflatable sealing

## Modification of existing Cope and Drag Squeeze Plate

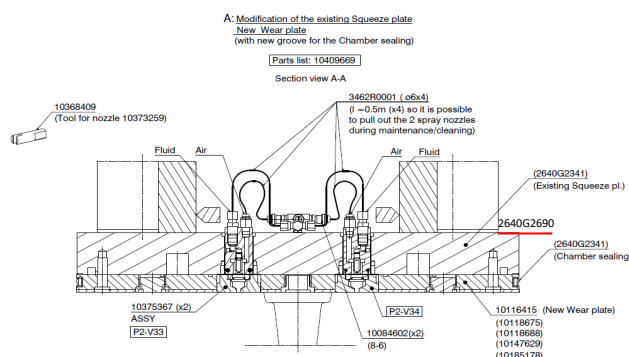
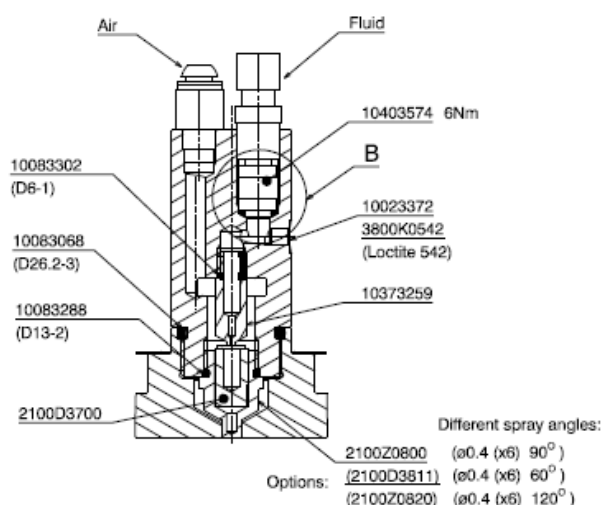
- Precise drill / machining to increase the hole diameter for the new Spray Nozzles
- Drilling and threading of new holes to fastening of the new Spray Nozzles

Contact your local DISA Representative and ask for:

Drag Squeeze Plate Kit:  
**10408799**

Cope Squeeze Plate Kit:  
**10409669**

Section view A-A



# New Spray System for DISA MATCH 130



## New improved Design of Cope and Drag Base and Wear Plates incl. a new developed Spray System

- Uniform distribution of Spray Fluid on Pattern Surface
- Minimum Fluid dripping after Spray Valve shut off
- Less Sand block up in Spray Nozzle
- Easy mounting / dismounting of Spray Nozzle assembly on Squeeze Plate
- Easy cleaning Procedure
- Different Spray Angles available to reach best Pattern Spray Cover (Optional)
- Hardened materials for all surfaces with Sand contact

## Modification of existing Cope and Drag Squeeze Plate:

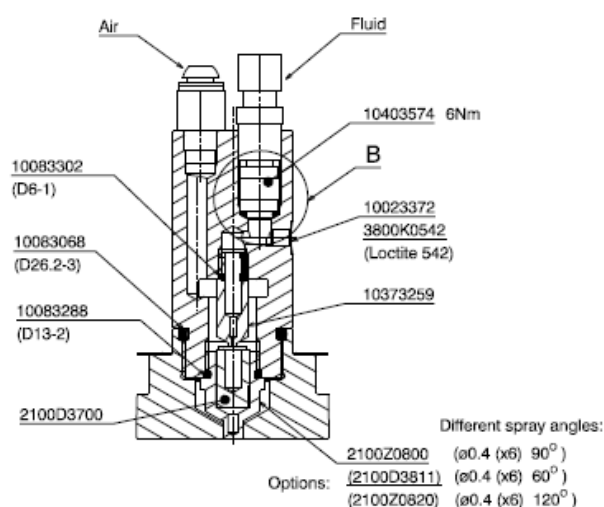
- Precise Drill / machining to increase the hole diameter for the new Spray Nozzles
- Drilling and threading of new holes to fastening of the new Spray Nozzles

Contact your local DISA Representative and ask for:

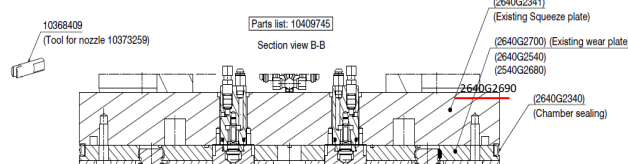
Drag Squeeze Plate Kit:  
**10409059**

Cope Squeeze Plate Kit:  
**10409745**

Section view A-A

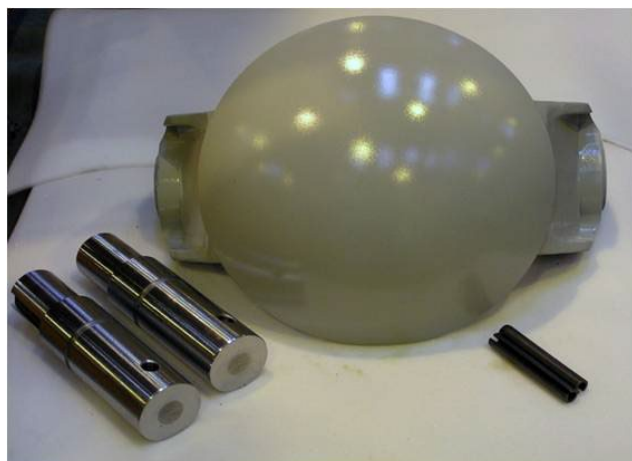


B: Modification of the existing Squeeze plate Existing Wear plate





# Hardened Dome Upgrade Kit for DISAMATIC 2013 MK5 X, DISA 230, MATCH 28/32 and 32/32



## Reduce maintenance cost

Keeping your DISAMATIC in top operating condition is one of the keys to ensure your overall casting quality. The Sand Valve is a vital part of the moulding process and is subject to extreme wear.

The new hardened dome is more resistant to the wear from continuous contact with the sand and the lifetime of the dome is extended.

As a result of the reduced wear on the dome itself also the dome seal will last longer.

The result is that the machine will stay in shape at lower maintenance cost.

Please contact your local DISA Representative and ask for the part specified for your Machine Type as indicated in the table below.

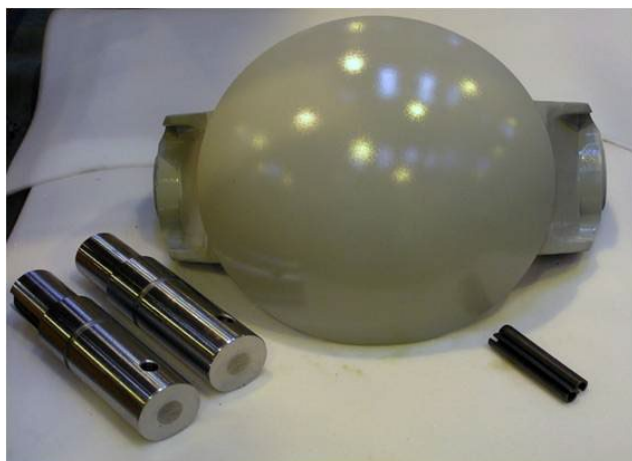
## Please note:

*First time buying this Kit: Use highlighted number*

*For later replacement: Use non-highlighted number*

Machine Type	Part No.	Qty
DISAMATIC 2013 MK5 X, DISA 230, MATCH 28/32 & 32/32	<b>2440R2800</b>	<b>1</b>
Dome	2440A4240	1
Shaft	2440A4250	2
Dowel Pin	10022576	2

# Hardened Dome Upgrade Kit for DISA 131 and 231



## Reduce maintenance cost

Keeping your DISAMATIC in top operating condition is one of the keys to ensure your overall casting quality. The Sand Valve is a vital part of the moulding process and is subject to extreme wear.

The new hardened dome is more resistant to the wear from continuous contact with the sand and the lifetime of the dome is extended.

As a result of the reduced wear on the dome itself also the dome seal will last longer.

The result is that the machine will stay in shape at lower maintenance cost.

Please contact your local DISA Representative and ask for the part specified for your Machine Type as indicated in the table below.

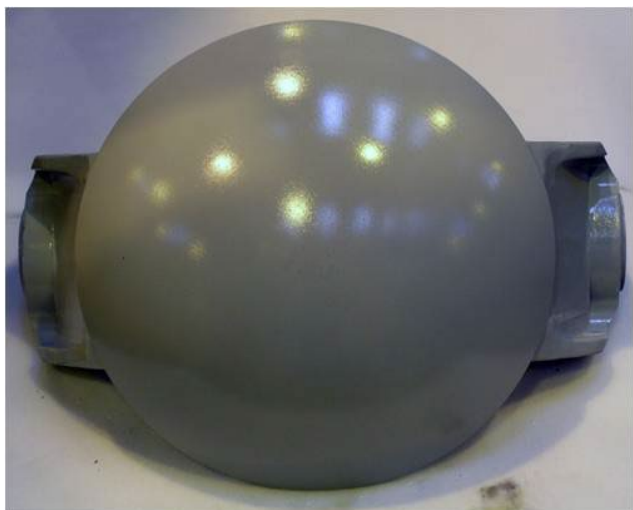
## Please note:

*First time buying this Kit: Use highlighted number*

*For later replacement: Use non-highlighted number*

Machine Type	Part No.	Qty
<b>DISA 131 &amp; 231</b>	<b>10136140</b>	<b>1</b>
Dome	2440A4240	1
Shaft	2450A2810	1
Shaft	10135951	1
Dowel Pin	10022576	2

# Hardened Dome Upgrade Kit for DISA 240 and 250



## Reduce maintenance cost

Keeping your DISAMATIC in top operating condition is one of the keys to ensure your overall casting quality. The Sand Valve is a vital part of the moulding process and is subject to extreme wear.

The new hardened dome is more resistant to the wear from continuous contact with the sand and the lifetime of the dome is extended.

As a result of the reduced wear on the dome itself also the dome seal will last longer.

The result is that the machine will stay in shape at lower maintenance cost.

Please contact your local DISA Representative and ask for the part specified for your Machine Type as indicated in the table below.

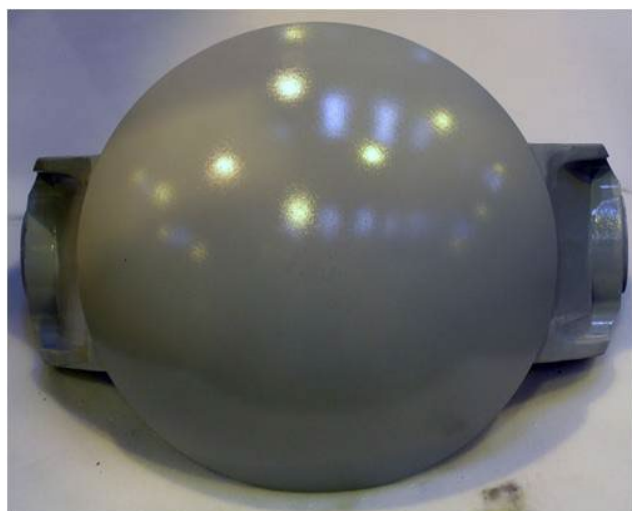
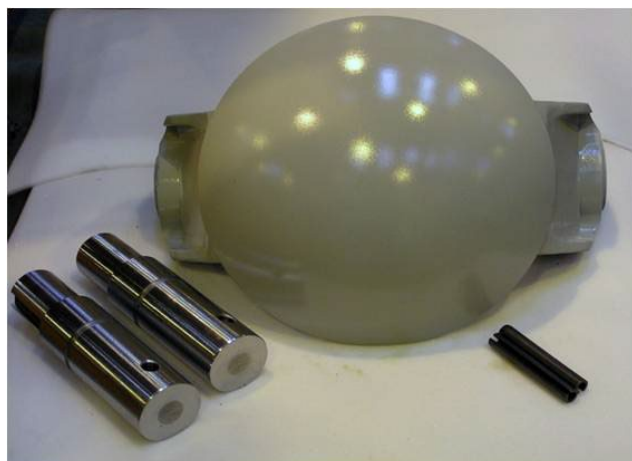
## Please note:

*First time buying this Kit: Use highlighted number*

*For later replacement: Use non-highlighted number*

Machine Type	Part No.	Qty
DISA 240 & 250	2450R1400	1
Dome	2440A4240	1
Shaft	2450A2810	1
Shaft	2450A2820	1
Dowel Pin	10022576	2

# Hardened Dome Upgrade Kit for DISAMATIC 2013 MK4 and MK5 A with Dome Ø250



## Reduce maintenance cost

Keeping your DISAMATIC in top operating condition is one of the keys to ensure your overall casting quality. The Sand Valve is a vital part of the moulding process and is subject to extreme wear.

The new hardened dome is more resistant to the wear from continuous contact with the sand and the lifetime of the dome is extended.

As a result of the reduced wear on the dome itself also the dome seal will last longer.

The result is that the machine will stay in shape at lower maintenance cost.

Please contact your local DISA Representative and ask for the part specified for your Machine Type as indicated in the table below.

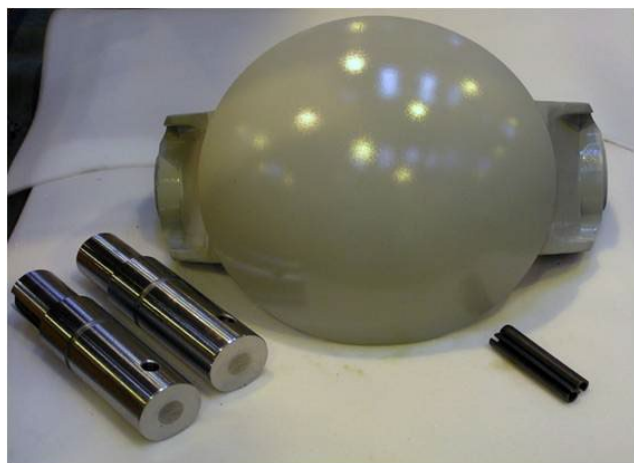
## Please note:

*First time buying this Kit: Use highlighted number*

*For later replacement: Use non-highlighted number*

Machine Type	Part No.	Qty
DISAMATIC 2013 MK4 - 5 A with dome ø250	2050A3360	1

# Hardened Dome Upgrade Kit for DISAMATIC 2013 B and 2070 A with Dome Ø300



## Reduce maintenance cost

Keeping your DISAMATIC in top operating condition is one of the keys to ensure your overall casting quality. The Sand Valve is a vital part of the moulding process and is subject to extreme wear.

The new hardened dome is more resistant to the wear from continuous contact with the sand and the lifetime of the dome is extended.

As a result of the reduced wear on the dome itself also the dome seal will last longer.

The result is that the machine will stay in shape at lower maintenance cost.

Please contact your local DISA Representative and ask for the part specified for your Machine Type as indicated in the table below.

## Please note:

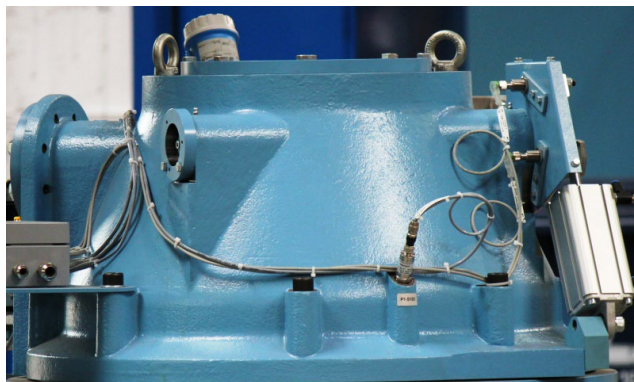
*First time buying this Kit: Use highlighted number*

*For later replacement: Use non-highlighted number*

Machine Type	Part No.	Qty
DISAMATIC 2013 B & 2070 A with dome ø300	2050A3370	1



# New generation Dome Valve Repair and Upgrade Kit for DISA 131 and 231



**Reduce maintenance cost with Dome Valve repair Kit and new hardened Dome Kit**

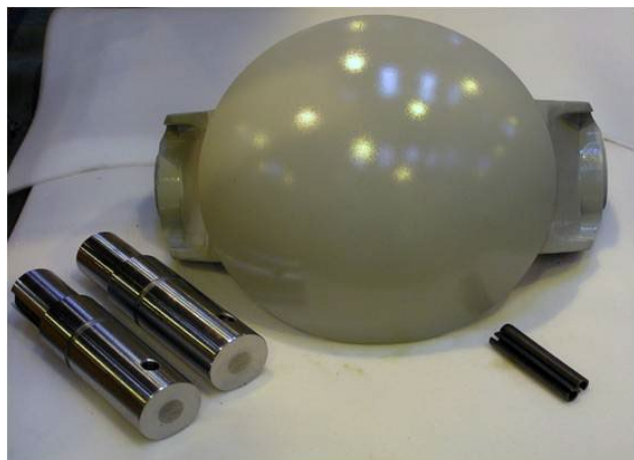
## Repair Kit

Keeping your DISAMATIC in top operating condition is one of the keys to your overall casting quality. The sand valve is a vital part of the moulding process and is subject to extreme wear.

DISA has specifically designed these repair kits based on many years of worldwide experience from our service engineers and our valued customers.

The kits are an easy-to-order kit, ensuring that you order all of the necessary components required to maintaining the dome valve, keeping the machine in shape at a lower maintenance cost.

Please contact your local DISA Representative and ask for the part specified for your Machine Type as indicated in the table below.



## Repair Kit

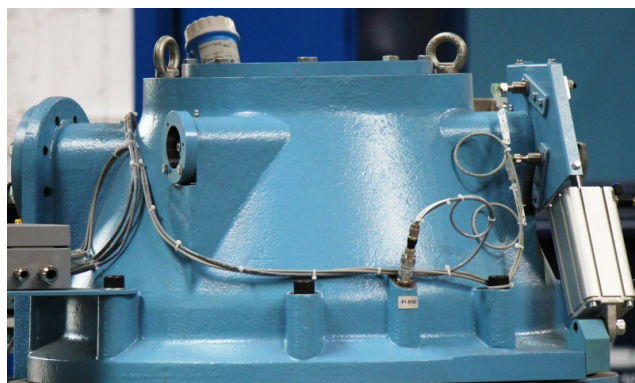
Machine Type	Part No.
DISA 131 & 231	10370576

## Hardened Dome Valve Upgrade Kit

Machine Type	Part No.
DISA 131 & 231	10136140



# New generation Dome Valve Repair and Upgrade Kit for DISA 230 and DISAMATIC 2013 MK5 X



**Reduce maintenance cost with Dome Valve repair Kit and new hardened Dome Kit**

## Repair Kit

Keeping your DISAMATIC in top operating condition is one of the keys to your overall casting quality. The sand valve is a vital part of the moulding process and is subject to extreme wear.

DISA has specifically designed these repair kits based on many years of worldwide experience from our service engineers and our valued customers.

The kits are an easy-to-order kit, ensuring that you order all of the necessary components required to maintaining the dome valve, keeping the machine in shape at a lower maintenance cost.

## Upgrade Kit

The new hardened dome is more resistant to the wear from continuous contact with the sand, and the lifetime of the dome is extended.

As a result of the reduced wear on the dome itself, the dome seal will also last longer.

The result is that the machine will stay in shape at lower maintenance cost

Please contact your local DISA Representative and ask for the part specified for your Machine Type as indicated in the table below.



## Repair Kit

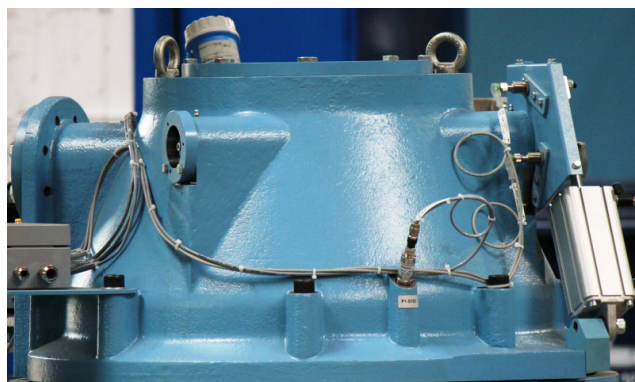
Machine Type	Part No.
DISA 230 & DISAMATIC 2013 MK5 X	10372616

## Hardened Dome Valve Upgrade Kit

Machine Type	Part No.
DISA 230 & DISAMATIC 2013 MK5 X	2440R2800



# New generation Dome Valve Repair and Upgrade Kit for DISA MATCH 28/32 and 32/32



**Reduce maintenance cost with Dome Valve repair Kit and new hardened Dome Kit**

## Repair Kit

Keeping your DISAMATIC in top operating condition is one of the keys to your overall casting quality. The sand valve is a vital part of the moulding process and is subject to extreme wear.

DISA has specifically designed these repair kits based on many years of worldwide experience from our service engineers and our valued customers.

The kits are an easy-to-order kit, ensuring that you order all of the necessary components required to maintaining the dome valve, keeping the machine in shape at a lower maintenance cost.

## Upgrade Kit

The new hardened dome is more resistant to the wear from continuous contact with the sand, and the lifetime of the dome is extended.

As a result of the reduced wear on the dome itself, the dome seal will also last longer.

The result is that the machine will stay in shape at lower maintenance cost

Please contact your local DISA Representative and ask for the part specified for your Machine Type as indicated in the table below.

## Repair Kit

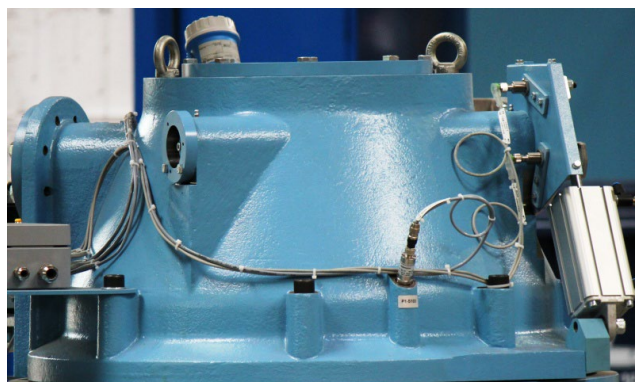
Machine Type	Part No.
DISA MATCH 28/32 & 32/32	10372624

## Hardened Dome Valve Upgrade Kit

Machine Type	Part No.
DISA MATCH 28/32 & 32/32	2440R2800



# New generation Dome Valve Repair and Upgrade Kit for DISA 240 and 250



**Reduce maintenance cost with Dome Valve repair Kit and new hardened Dome Kit**

## Repair Kit

Keeping your DISAMATIC in top operating condition is one of the keys to your overall casting quality. The sand valve is a vital part of the moulding process and is subject to extreme wear.

DISA has specifically designed these repair kits based on many years of worldwide experience from our service engineers and our valued customers.

The kits are an easy-to-order kit, ensuring that you order all of the necessary components required to maintaining the dome valve, keeping the machine in shape at a lower maintenance cost.

## Upgrade Kit

The new hardened dome is more resistant to the wear from continuous contact with the sand, and the lifetime of the dome is extended.

As a result of the reduced wear on the dome itself, the dome seal will also last longer.

The result is that the machine will stay in shape at lower maintenance cost

Please contact your local DISA Representative and ask for the part specified for your Machine Type as indicated in the table below.

## Repair Kit

Machine Type	Part No.
DISA 240 & 250	10372586

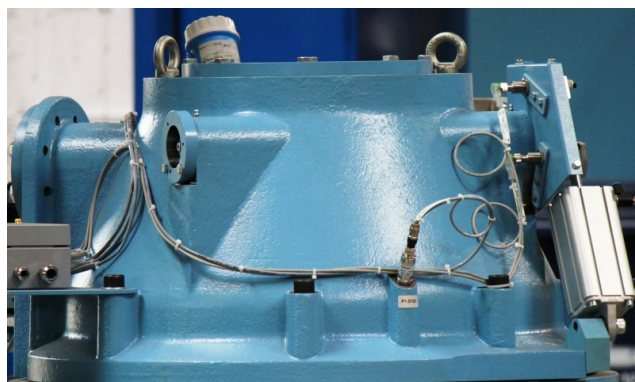
## Hardened Dome Valve Upgrade Kit

Machine Type	Part No.
DISA 240 & 250	2450R1400





# New generation Dome Valve Repair Kit for DISA 270



**Reduce maintenance cost  
with Dome Valve repair Kit**

## Repair Kit

Keeping your DISAMATIC in top operating condition is one of the keys to your overall casting quality. The sand valve is a vital part of the moulding process and is subject to extreme wear.

Be aware the kit does not include the dome and the 2 shafts for the dome. Please see below for the part numbers for the kit and the additional parts that may be required for the repair.

DISA has specifically designed these repair kits based on many years of worldwide experience from our service engineers and our valued customers.

Please contact your local DISA Representative and ask for the part specified for your Machine Type as indicated in the table below.

The kits are an easy-to-order kit, ensuring that you order all of the necessary components required to maintaining the dome valve, keeping the machine in shape at a lower maintenance cost.

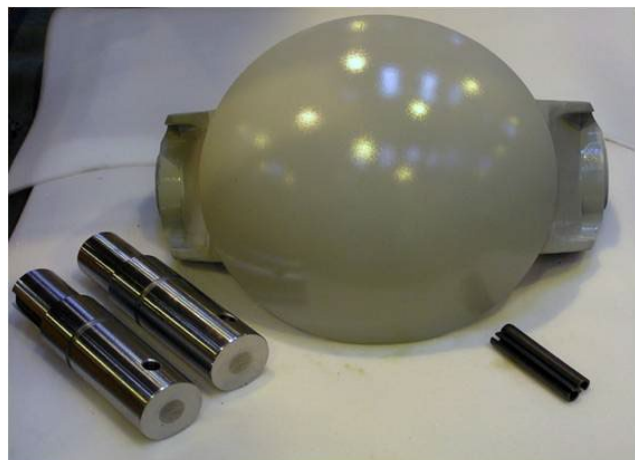
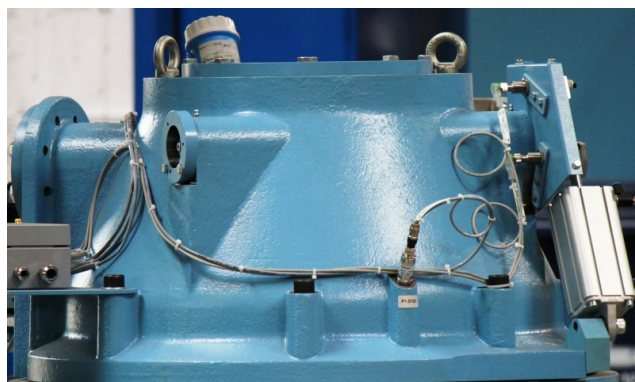


Description	Part No.
Dome valve repair kit DISA 270	10372670
<b>Not included in the kit</b>	
Dome	2470A2100
Shaft	2490A2110
Shaft	2490A2140





# New generation Dome Valve Repair Kit for DISA 280



**Reduce maintenance cost with Dome Valve repair Kit and new hardened Dome Kit**

## Repair Kit

Keeping your DISAMATIC in top operating condition is one of the keys to your overall casting quality. The sand valve is a vital part of the moulding process and is subject to extreme wear.

DISA has specifically designed these repair kits based on many years of worldwide experience from our service engineers and our valued customers.

The kits are an easy-to-order kit, ensuring that you order all of the necessary components required to maintaining the dome valve, keeping the machine in shape at a lower maintenance cost.

## Upgrade Kit

The new hardened dome is more resistant to the wear from continuous contact with the sand, and the lifetime of the dome is extended.

As a result of the reduced wear on the dome itself, the dome seal will also last longer.

The result is that the machine will stay in shape at lower maintenance cost

Please contact your local DISA Representative and ask for the part specified for your Machine Type as indicated in the table below.

## Repair Kit

Machine Type	Part No.
DISA 280	10372674



# Reconditioned Bearing House for DISA 240, 250, 270 and 280



In order to reduce the overhaul time during repair of bearing houses on your PMC, DISA now offers reconditioned bearing houses, which are overhauled according to OEM specifications.

You only have to build-in the reconditioned bearing house and you are ready to restart your machine / production.

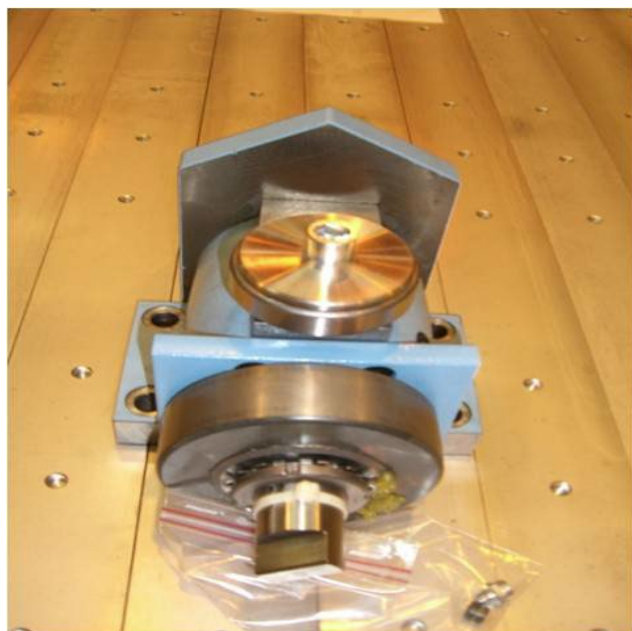
## 3 good reasons to install reconditioned bearing houses

- Cost efficient
- Fast change of bearing houses
- Available as reconditioned or repaired

Please contact your local DISA Representative and ask for the part specified for your Machine Type as indicated in the table below.

Machine Type	Part No.	Qty
DISA 240 - 280	R2452B0170	1
	R2072B0402	1

# Reconditioned Bearing House for DISAMATIC 2070



In order to reduce the overhaul time during repair of bearing houses on your PMC, DISA now offers reconditioned bearing houses, which are overhauled according to OEM specifications.

You only have to build-in the reconditioned bearing house and you are ready to restart your machine / production.

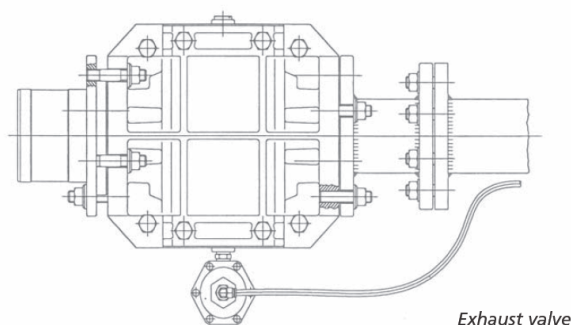
## 3 good reasons to install reconditioned bearing houses

- Cost efficient
- Fast change of bearing houses
- Available as reconditioned or repaired

Please contact your local DISA Representative and ask for the part specified for your Machine Type as indicated in the table below.

Machine Type	Part No.	Qty
DISAMATIC 2070	R2072B0412	1
	R2072B0402	1

# Improved Exhaust Valve for DISAMATIC 2013 MK3, MK4, MK5 and LP



The exhaust Valve installed on new generation DISA machines, now offers a great improvement to 2013 MK3 - 5 and LP machines.

The new exhaust Valve will reduce build-up of Sand in the shot Valve pipe and the improved design extends the lifetime of the exhaust rubber insert tube. The new exhaust Valve measures 100 mm instead of 80 mm as the old type.

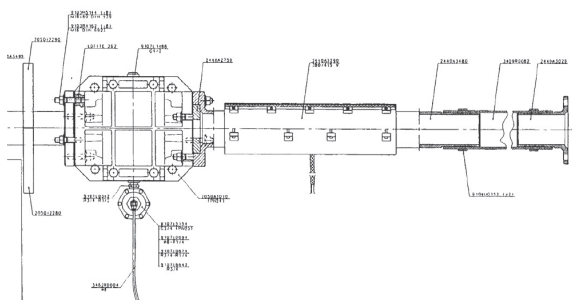
## 3 reasons to install the improved Exhaust Valve

- Improves exhaust air flow
- Reduces sand build-up
- Extends lifetime of the exhaust insert tube

It is easy to install the new improved exhaust Valve and installation time is approximately 30 minutes.

Please contact your local DISA Representative and ask for the part specified for your Machine Type as indicated in the table below.

Machine Type	Part No.
DISAMATIC 2013 MK5 serial No. $\geq 2599$ & LP $\geq 2809$	2050A2920
DISAMATIC 2013 MK3 - 5 serial No. $\leq 2598$ & LP $\leq 2808$	10073613



*Please note: It's important to state the Machine Type and serial number.*



# Seal Kit for PP Cylinder for DISAMATIC 2110



It's a major repair job to change all the seals of the PP cylinder, so in order to be sure that all parts are available when you're about to do the changes, we recommend you to use this repair seal kit.

The kit is a convenient way to order all necessary parts compared to ordering the parts individually.

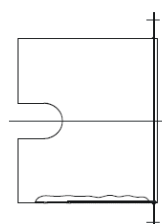
Please contact your local DISA Representative and ask for item number **2110R1410**

The kit contains all the o-rings, step-seals and scraper to cover the repair job of the main piston.

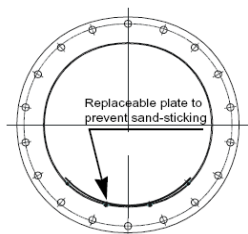
## The Seal Kit contains:

Part Name	Part No.	Qty
Hose clamp	9104U0147	1
O-ring D12,00 - 3,00	10083008	2
O-ring D26,20 - 3,00	10083068	5
O-ring D31,20 - 3,00	10083129	2
Pakning stepseal ø125	9105F0733	2
O-ring D129,54 - 5,33	10083263	3
Slydring ø125	9105F0735	1
Slydring ø125	9105F0736	1
DA Excluder ø125	9105F0737	1
Slydring ø141,4	9105F0738	2
Glydring ø141,4	9105F0739	1
O-ring D116,84 - 7,00	10083264	1
O-ring D149,20 - 5,70	10083265	1
O-ring D72,62 - 3,53	10083266	1
Scraper 220 - 240 - 12 M00101 AS	10083271	1
O-ring D14,00 - 3,00	10083180	1

# Blow-head Insert for DISAMATIC 2013 MK5 B



2050Z1930



*Blowhead insert with  
replaceable non-sticking plate*

This kit is developed to reduce sand build-up in the blow head; i.e. reduced Sand probe error messages resulting in increased production.

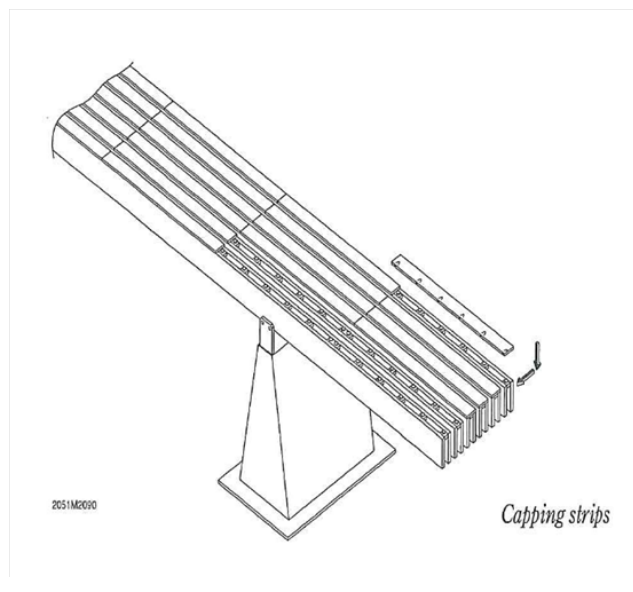
## Advantages

- Prevent Sand sticking
- Simple and service friendly

The kit has a replaceable non-sticking Plate which prevents sand sticking between sand probe and blow head insert.

Please contact your local DISA Representative and ask for item number **2050Z1930**

# Welding Kit for AMC for DISAMATIC 2110



All wear strips undergo a thorough inspection to ensure highest quality and life expectancy which is standard for all DISA products.

**Depending on your requirements, DISA can provide capping strips of hardened stainless steel**

This material extends the lifetime of your slide way and reduces build up of corrosion on your AMC.

## Accessories

Zink paste to eliminate corrosion between slide way and wear strip. Components to fixate wear strips. Supporting roll cap for height level reduction if a combination of cold rolled and hardened stainless steel is used.

## 3 reasons to apply the capping strips package

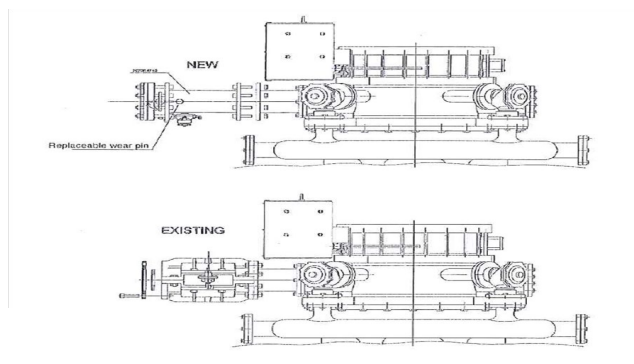
- Wear strips provided in the material are suited to your needs.
- All necessary items contained within 1 kit number.
- Accessories to perform fast installation.

Please contact your local DISA Representative and ask for the part specified for your Machine Type as indicated in the table below.

Part Type	Part No.	Qty
2110 Capping strip welding kit 12 m	2112R0200	1
2110 Capping strip welding kit 15 m	2112R0220	1



# New Exhaust Valve for DISAMATIC 2070



Some customers have problems with the lifetime of their exhaust Valve hoses.

This kit replaces the existing exhaust Valve with a butterfly Valve, providing a considerably longer lifetime.

The pipe supplied with the Valve ensures that the length of the kit is identical with the original hose-type Valve.

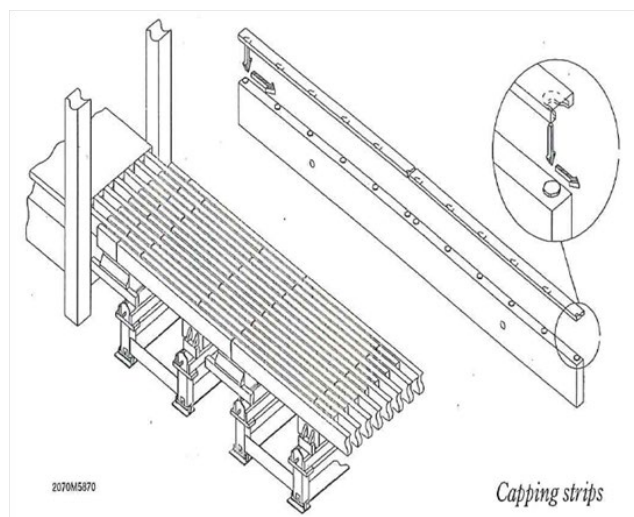
The pipe is fitted with a wear pin protecting the gate of the butterfly valve.

## Advantages

- Longer lift time
- Easy to install
- Uses same connection as existing exhaust Valve
- Service friendly

Please contact your local DISA Representative and ask for item number **2070R4800**

# Capping Strips for PMC for DISAMATIC 2070



Capping strips for the 2070 AMC have been developed to allow a quick and individual change of strips.

Use capping strips to protect the PMC sections, which are exposed to the most wear.

## Advantages

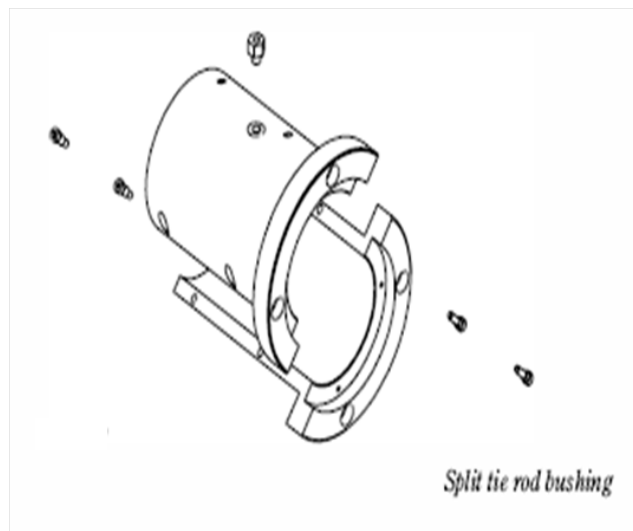
- Service friendly
- Less sticking problems
- Quick changing of capping strips
- Available in several materials

- The capping strips may be changed and mounted individually
- Capping strips are available in several materials:
- Standard
- Non-corrosive
- Hardened and non-corrosive
- Upgrade of existing gratebar to capping strips system

Please contact your local DISA Representative and ask for **Capping strips for PMC DISAMATIC 2070**



# Split Tie Rod Bushing for DISAMATIC 2013 MK3, MK4, MK5 and LP



The split tie rod bushings make replacing bushings an easier task and so they attribute to the maintenance friendliness of your machine.

The material used for split bushings is identical to that of the bushings already installed on your machine.

## 4 Reasons to install Split Tie Rod Bushing to your machine

- Faster replacement
- Maintenance friendly
- Fits both oil and grease lubrication systems
- Reduced downtime

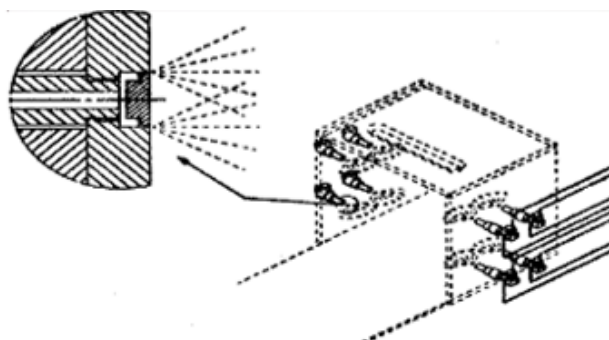
## Please note

When ordering a split tie rod bushing, remember also to order new scrapers (item number 2040F0471). 2 or 6 scrapers per bushing depending on the DMM model. If additional tie rod protection is fitted to your machine, you must order 6 scrapers.

Please contact your local DISA Representative and ask for parts as indicated in the table below.

Part Name	Part No.	Qty
Tie rod bearing in two parts	2050R1290	1
Scraper ring	2040F0471	2 or 6

# In-chamber Spray System with non-blocking Nozzle design for DISAMATIC 2013 MK3 and MK4 with PLC upgrade



We've designed the latest version of our in-chamber parting Spray systems as a retro-fit kit. This kit is based on our patented and highly successful system, which is used on our New Generation machines.

A high demand from satisfied customers working with the 230 Spray system and who now want the same facility for their older machines, has promoted us to develop this new system.

## The new in-chamber Spray system provides following advantages:

- Less maintenance on Nozzles due to new design
- Reduces your Spray Fluid consumption
- Improves the working environment
- Extends the lifetime of chamber Plates
- The new robust design ensures non-blocking Nozzles.

## The Kit does NOT include:

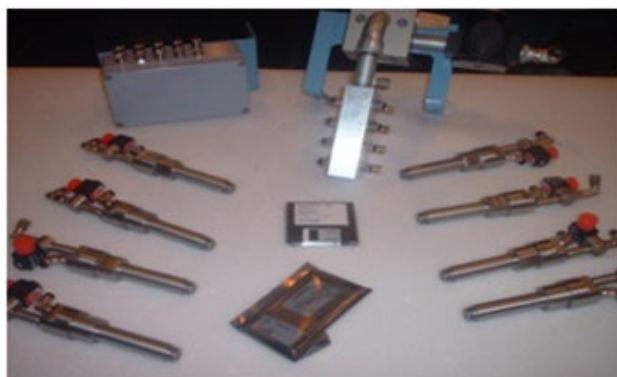
**To allow in-chamber spray, new design chamber side wear plates are required!**

Order new side plates according to below, and remember to replace the original part numbers in your DISA parts manual with the new numbers for future replacements.

## In-Chamber spray side wear plates:

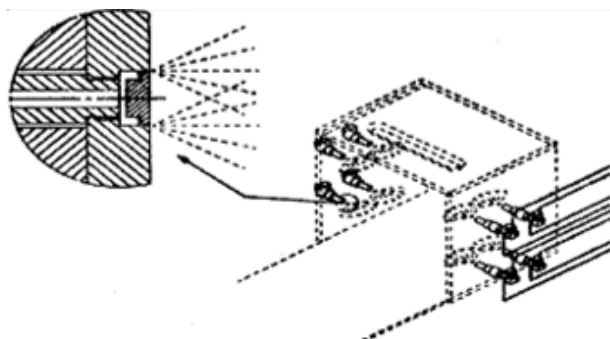
2013MK3 + 4A: 2040B2320 Right side + 2040B2330 Left side

2013MK4B: 2050B3250 Right side + 2050B3260 Left side



Machine Type	Part No.	Qty
2013 MK3 & 4 with PLC upgrade	2050R6770	1

# In-chamber Spray System with non-blocking Nozzle Design for DISAMATIC 2013 MK5



We've designed the latest version of our in-chamber parting Spray systems as a retro-fit kit. This kit is based on our patented and highly successful system, which is used on our New Generation machines.

A high demand from satisfied customers working with the 230 Spray system and who now want the same facility for their older machines, has promoted us to develop this new system.

## The new in-chamber Spray system provides following advantages:

- Less maintenance on Nozzles due to new design
- Reduces your Spray Fluid consumption
- Improves the working environment
- Extends the lifetime of chamber Plates
- The new robust design ensures non-blocking Nozzles.

## The Kit does NOT include:

To allow in-chamber spray, new design chamber side wear plates are required!

Order new side plates according to below, and remember to replace the original part numbers in your DISA parts manual with the new numbers for future replacements.

In-Chamber spray side wear plates:

2013MK5A: 2050B3220 Right side + 2050B3230 Left side

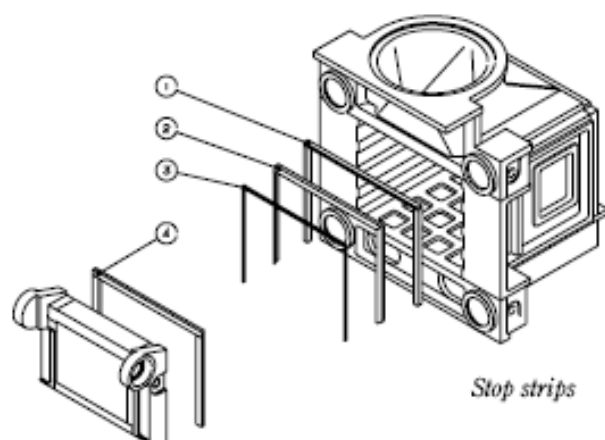
2013MK5B: 2050B3250 Right side + 2050B3260 Left side

2013MK5X: 2050B3270 Right side + 2050B3280 Left side



Machine Type	Part No.	Qty
2013 MK5	2050R6770	1

# Stop Strips for DISAMATIC 2013 MK3



1. Stop strip
2. New chamber seat
3. Chamber sealing strip
4. Stop strip

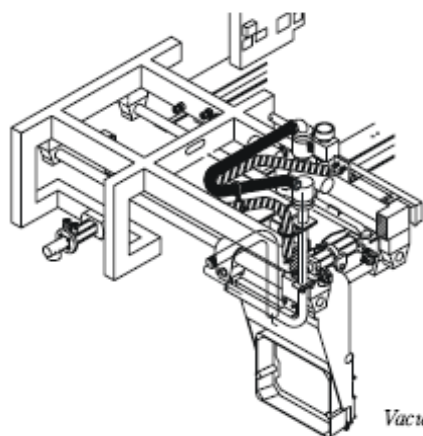
## 4 reasons to install Stop Strips to your DISAMATIC moulding machine

- Improved parallelism of moulds
- Improved sealing during sand shot
- Certainty of a closed moulding chamber
- Reduction of risk for mismatch

Please contact your local DISA Representative and ask for item number **2040R5241**

Part Name	Part No.	Qty
Stopping strip side	2040B0842	2
Stopping strip upper	2040B0852	1
Strips side	2040B0861	2
Strips upper	2040B0871	1
Sealing strip	2040B0881	3
Stopping bar upper	2040F0501	1
Stopping bar right	2040F0511	1
Stopping bar left	2040F0521	1
Valve Plate	2040F0611	1
Holes for stopping strip MTP	2040Z3240	1
Holes for stopping strip Chamber	2040Z3250	1

# Vacuum Hose with Swivels for DISAMATIC 2013 MK3, MK4, MK5 and LP



*Vacuum hose with swivels*

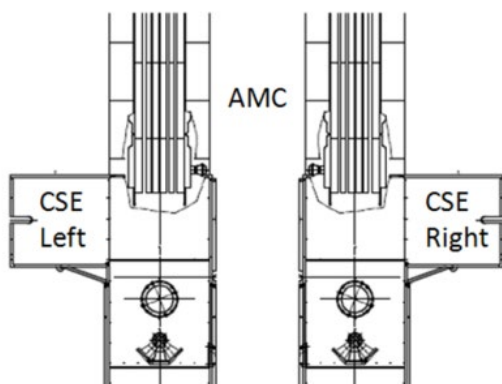
DISA has developed a new vacuum hose mechanism with swivels as a replacement to ensure a longer lifetime of the vacuum hose.

The vacuum hose was introduced as a standard on DISAMATIC 2013 machines in 1998.

## 4 reasons to install a Vacuum Hose with Swivels on your machine

- Extended lifetime of vacuum hose
- Reduces twisting of vacuum hose
- No reduction in airflow due to collapse of vacuum hose
- Easy and simple installation

Please contact your local DISA Representative and ask for the part specified for your Machine Type as indicated in the table below.



Machine Type	Part No.	Qty
CSE in right side	2055R4040	1
CSE in left side	2055R4070	1

# Proportional Control of HY13 & Shot Air for DISAMATIC 2013 MK3 and MK4 with PLC Upgrade



We've adapted the control system from 2013 MK-5 machines to control HY13 and the shot air pressure so this feature can be installed on 2013 MK-3 and MK-4 machines with PLC upgrade.

This improvement kit is to allow automatic setting of shot and squeeze pressure with values stored in the pattern plate database.

## 4 reasons to install the Proportional Control Kit

- Operator faults meaning wrong manual adjustments
- Possible of CIM controlled pressures on the machine
- Proportional controlled valves HY13 and shot air
- Less maintenance of the old Seitz valves
- Please contact your local DISA Representative and ask for item number **2013R6400**

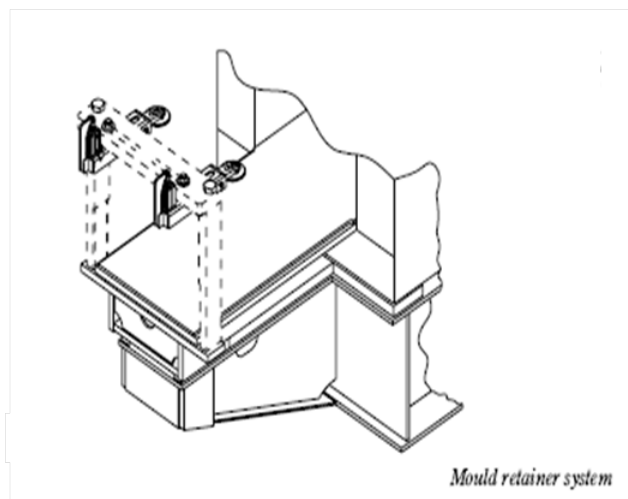
## The kit includes:

- Proportional Valve HY13
- Shot Valve
- Updated PLC & VDU program
- New VDU if the installed VDU is OP25/27





# Mould Retainer System for DISAMATIC 2013 MK3, MK4, MK5 A/B and LP



The design of the new system is based on use of standard cylinders and bearings. It's quick to install. The mould retainer system fits all 2013 machines with an A or B chamber.

## 4 reasons to install the mould Retainer System

- New improved design
- Service and maintenance friendly
- Quick responding mould retainer
- Adjustable distance between mould retainer and Sand mould.

Please contact your local DISA Representative and ask for item number **2040R7080**

Machine	Serial No.	
MK3	All	
MK4	All	
MK5	2501-2543	2546-2547
MK4 LP	2405-2804	

# New Main Pump with closed Loop Control for DISAMATIC 2013 MK3 and MK4



DISA has developed a new replacement pump kit – for the well known 468 main pump for DISAMATIC 2013 MK-3 and MK-4 which is no longer in production.

The performance of the replacement pump kit and it's controls are equal to that of the DISAMATIC 2013 MK-5.

With fast and reliable speed control, the closed loop control compensates for oil temperature changes, leakages, friction and other things which may reduce the performance.

## 5 reasons to install the new Main Pump Kit

- Regain reliability, speed and performance
- Make the same mould in every cycle
- Reduce mould tear-off and crashes. Especially defects caused by jump-starts and varying stop positions
- Simplify your maintenance work
- Installed over a weekend

Please contact your local DISA Representative and ask for part specified for your pump type as indicated in the table below.

Existing Pump	Control System	Part No.	Qty
468	50 Hz with gearbox	2040R7800	1
468	60 Hz with gearbox	2040R7810	1
468	50 Hz PLC upgrade	10039498	1
468	60 Hz PLC upgrade	10039500	1
500 HD	With control box	2040R8060	1
500 HD	With PLC upgrade	10039499	1

# New Vacuum Unit for DISAMATIC 2070, 2013 MK3 and MK4

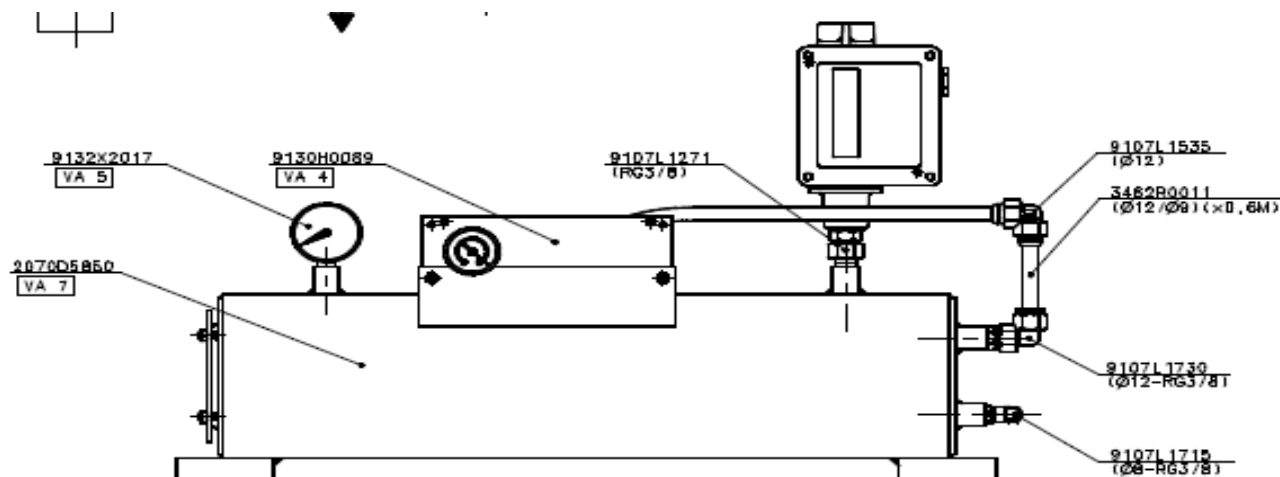
The new vacuum unit is driven by air and is even more silent than the old vacuum unit. It's fully compatible with the old vacuum unit and is very easy to install.

The new vacuum unit is more reliable than the old unit and requires less maintenance.

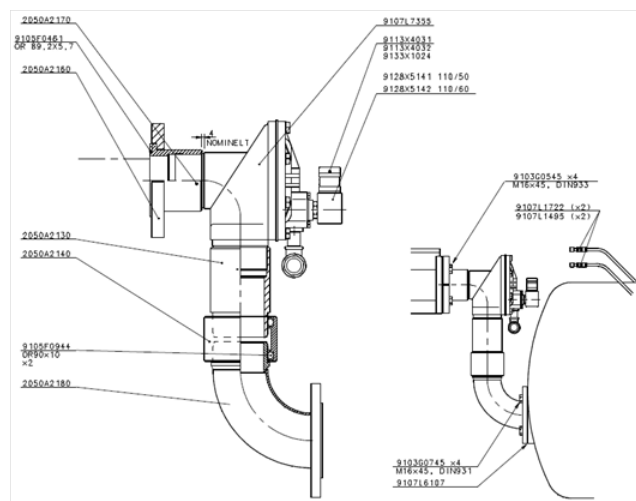
## 4 reasons to install the New Vacuum Unit

- Less maintenance
- More silent to operate
- Easy installation
- More reliable
- Based on the latest generation of 2070 MK-2 machines, DISA has developed a new update kit for the bottom wear plate

Please contact your local DISA Representative and ask for item number **10027282**



# New Shot Valve for DISAMATIC 2013 MK3, MK4, MK5 and LP



Using a 3" shot Valve the airflow area is increased by a factor 3,4. This will in time provide a more efficient filling of the chamber.

The pipe of the shot Valve is fitted with a floating coupling to make it easier to install and to absorb any vibrations.

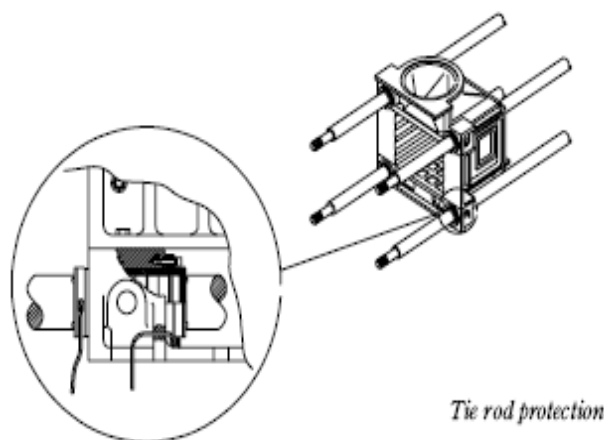
## 4 reasons to install the new Shot Valve

- Large air flow area
- Better filling within short time
- Simple and easy to handle
- Extended lifetime

Please contact your local DISA Representative and ask for the part specified for your Machine Type as indicated in the table below.

Machine Type	Part No.
DISAMATIC 2013 MK3 5 serial No. ≤ 2597 & LP ≤ 2808	2050R9940
DISAMATIC 2013 MK5 ≥ serial No. 2598 & LP ≥ 2809	2050R1914

# Tie Rod Protection for DISAMATIC 2013 MK3, MK4 and LP



The modification kit serves to improve the protection of the four tie rod bearings in the chamber front against penetration of Sand and other impurities. The modification involves a trebling of the number of scrapers in each tie rod bearing.

## 4 reasons to install the new Tie Rod Protection Kit

- Extended lifetime of tie rods
- Extended lifetime of tie rod bushings
- Reduced downtime
- Improved utilization of lubrication grease or oil

Please contact your local DISA Representative and ask for item number **2050R0220**

## Please note

To order a total kit: Use item number above  
To order parts: Use item numbers in the table.

Part Name	Part No.	Qty
Scraper ring	2040F0471	24
Intermediate flange	2050B1230	4
Intermediate flange	2050B1240	4
Screw M5x50/22-8,8 ZN ENISO476	10023365	16
Screw M5x35/22-8,8 ZN ENISO476	10023359	16
Spacing bushing	2050A1250	2
Screw M12x45/36-8,8 ZN ENISO47	10022926	2
Fitting QRTM-S 6-R1/8 M	10084442	4
Fitting QRTM-T 2x6-R1/8 M	10084249	4
6 X 4 hose 35ATO	3462R0001	5
Safety tool	2050A1241	1
Scraper flange kit	2050B0150	1



## Bottom Plate Kit with Heater for DISAMATIC 2013 MK3, MK4 and LP



The wear which normally occurs on the Wear Plate is mainly caused by the moisture from the moulds. This new kit provides heating below the moulds which are in the close up position on the Wear Plate.

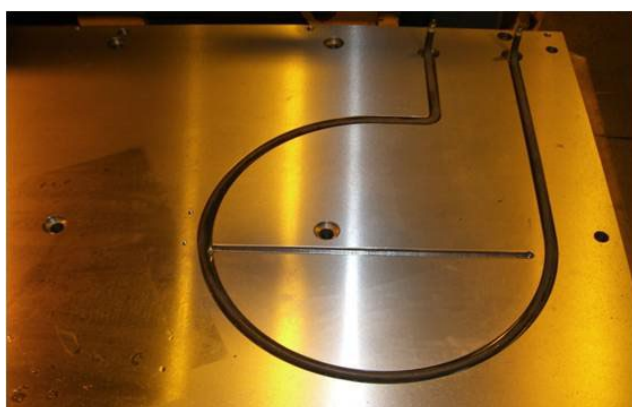
### 3 reasons to install a Bottom Plate Kit with Heater

- Reduces corrosion on the bottom Wear Plates, thereby improving lifetime and reducing costs
- After installation, you can remove the old vacuum system, which holds down the bottom wear plate
- Same system as 2013 MK-5 and the New Generation of machines from DISA

Please contact your local DISA Representative and ask for item number **2040R2961**

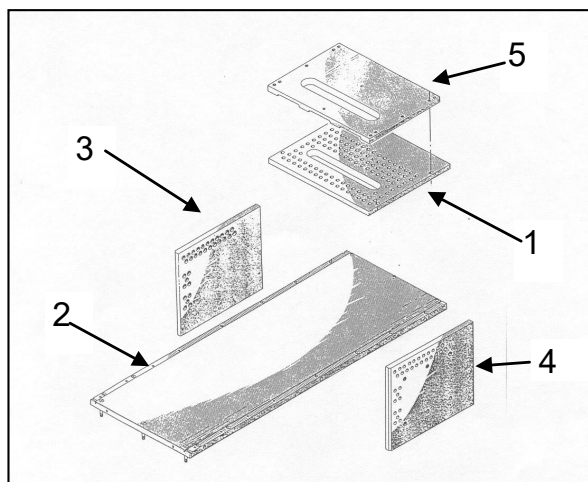
### **Please note**

- *This kit correlates with "Critical Parts for Bottom Plate Kit with Heater for DISAMATIC 2013 MK3, 4 & LP"*
- *By ordering, please state which spray system is installed to your machine.*



# Critical Parts for Bottom Plate Kit with Heater for DISAMATIC 2013 MK3, MK4 and LP

## Chamber Plates for DISAMATIC 2013, after bottomplate kit 2040R2961



- 1: Top Plate
- 2: Bottom Plate
- 3: Left Plate
- 4: Right Plate
- 5: Nozzle Plate

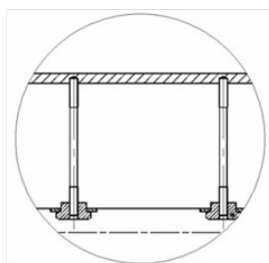
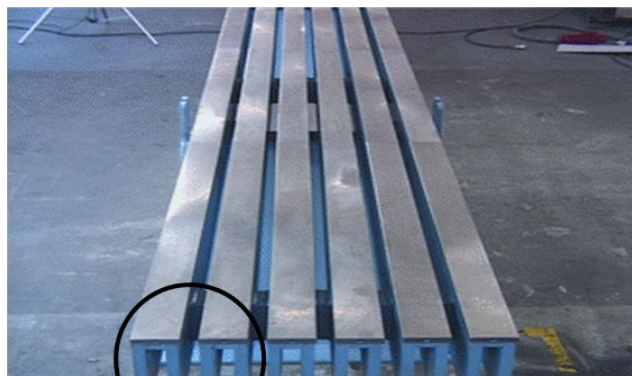
### Chamber Sizes A & LP (480 x 600)

Part Name	Part No.	Note
Top Plate	2040B1960	
Bottom Plate	2050B1300	With chrome
Left Plate 1 Spray hole, A	2050B2640	
Left Plate 2 Spray holes, A	2050B2500	
Left Plate 4 Spray holes, A	2050B3230	
Right Plate 1 Spray hole, A	2050B2620	
Right Plate 2 Spray holes, A	2050B2490	
Right Plate 4 Spray holes, A	2050B3220	
Nozzle Plate	2013B1402	MK3 & 4

### Chamber Size B (535 x 630)

Part Name	Part No.	Note
Top Plate	2050B2510	
Bottom Plate	2050B2970	With chrome
Left Plate 1 Spray hole, A	2050B2610	
Left Plate 2 Spray holes, A	2050B2530	
Left Plate 4 Spray holes, A	2050B3260	
Right Plate 1 Spray hole, A	2050B2600	
Right Plate 2 Spray holes, A	2050B2520	
Right Plate 4 Spray holes, A	2050B3250	

# Wear Strips for DISAMATIC 2013 MK3, MK4, MK5 and LP



All Wear strips undergo a thorough inspection to ensure highest quality and life expectancy which is the standard for all DISA products.

## 3 Reasons to install the Capping Strips Package

- Wear strips provided in materials suited to your needs
- All necessary items contained in one kit number
- Accessories to perform fast installation.

**Depending on your requirements, DISA can provide capping strips of the following material:**

- Cold rolled steel. Provides increased friction to moulds and reduces the risk of mould gapping and metal run out.
- Hardened stainless steel: Extends the lifetime of your slide way and reduces build up of corrosion on your AMC.

## Accessories

- Zink paste to eliminate corrosion between slide way and Wear strip. Components to fixate Wear strips. Supporting roll cap for height level reduction if a combination of Cold Rolled and Hardened stainless Steel is used.

Please contact your local DISA Representative and ask for part specified for your Machine Type in the table.

Part Name	Part No.	Qty	Item No.
DISAMATIC 2013 MK1 - 5 A & LP			
6m hardened stainless steel	2052R1770	24	2052B1650
		6	2052B1700
6m cold rolled steel	2052R2000	24	2052B3770
		6	2052B3780
DISAMATIC 2013 MK1 - 5 B			
6m hardened stainless steel	2052R1790	16	2052B1650
		4	2052B1700
		8	2052B1670
		2	2052B1710
6m cold rolled steel	2052R2010	16	2052B3770
		4	2052B3780
		8	2052B3790
		2	2052B3800
DISAMATIC 2013 MK5 X			
Inlet & Midsection HSS Wear strips kit & Mounting hardware	2052R1700		
Outlet HSS Wear strips kit & mounting hardware	2052R1710		
Inlet & Midsection HSS Wear strips	2052R1890		
Outlet HSS Wear strips kit	2052R1900		

Additional Items	Part No.	Q.	Description
Zink Paste	3800A0014	1	Against corrosion
Fixation	2052R1750	1	650 items to mount
Height Reduction	2052B2030	1	Supporting roll cap

# Welding Kit for Capping Strips AMC for DISAMATIC 2013 MK3, MK4, MK5 and LP



## Upgrade your old Slideway with Capping Strips

The welding kit, capping strips for AMC is developed to allow a quick and individual change of strips. The wear strip is made of hardened and stainless material and can be mounted/dismounted from the above with a plastic hammer. The wear strip is retained by a special screw system.

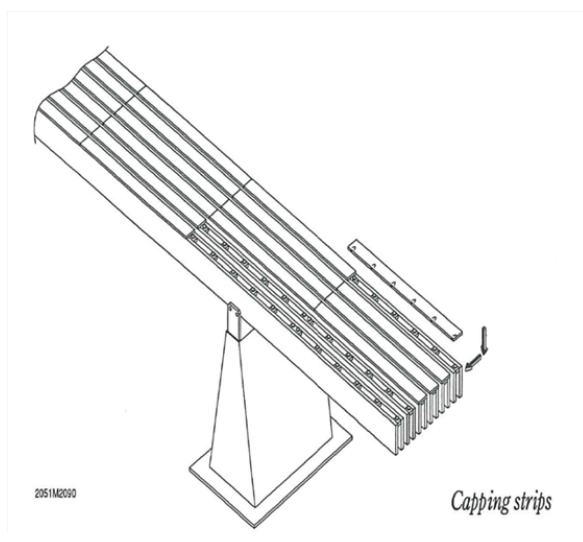
Please contact your local DISA Representative and ask for: **Welding Kit for Capping Strips AMC.**

*Remember to state the Machine Type and serial number.*

[Link to Video](#)

## 4 reasons to install a Welding kit

- Less sticking problems.
- Service friendly.
- Fast change of capping strips.
- Capping strips can be changed and mounted individually.



# Upgrade with Hydraulic AMC and SBC System for DISAMATIC 2013 MK3 PLC



The DISAMATIC moulding machine is a high quality product that lasts for many years. You can upgrade your older MK-3 machine with a hydraulic AMC/SBC and be ready in the future to add a new DISAMATIC with no additional AMC/SBC costs. The hydraulic AMC system is already working successfully in over 100 foundries worldwide.

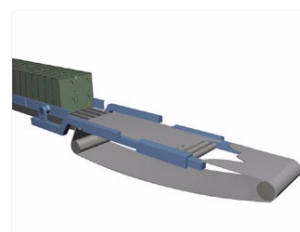
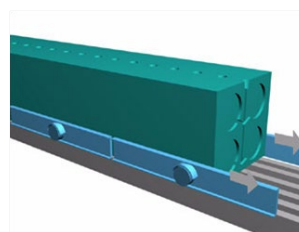
## Automatic Mould Conveyor (AMC)

The perfectly controlled synchronisation of the DISAMATIC/AMC movements controls the forces between the moulds thus minimizing the risk of mould deformation during close-up and mould string transport. Noise below 70 dB (A).

## Synchronised Belt Conveyor (SBC)

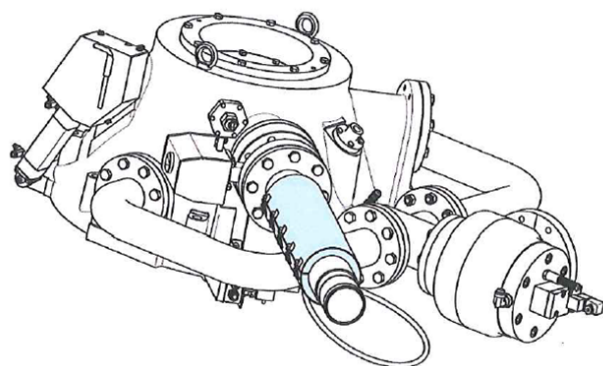
The SBC extends the cooling zone beyond the AMC if longer in-mould cooling time is required. The sturdy SBC is provided with a multi-ply heat-resistant rubber belt. It is powered by and fully synchronised with the AMC via pneumatic clamping clutches. This prevents mould gaps at the critical transition point between the MAC and the SBC.

Please contact your local DISA Representative and ask for Upgrade for DISAMATIC 2013 MK3 PLC with a Hydraulic AMC & a SBC system.





# Exhaust Pipe Heating with Flap Type Sand Valve for DISA 130



**The new Exhaust Pipe Heating offers improved reliability of the DISA 130**

- Improves exhaust flow
- Reduces Sand build up in the pipe and related production loss
- Prolongs lift time of exhaust pipe

The kit includes heating cover for the exhaust pipe and the necessary electrical control parts.

Please contact your local DISA Representative and ask for item number **10065419**

# Repair Kit Divided Column for SAM 6 Mixer



## SAM 6 Mixer with Divided Columns

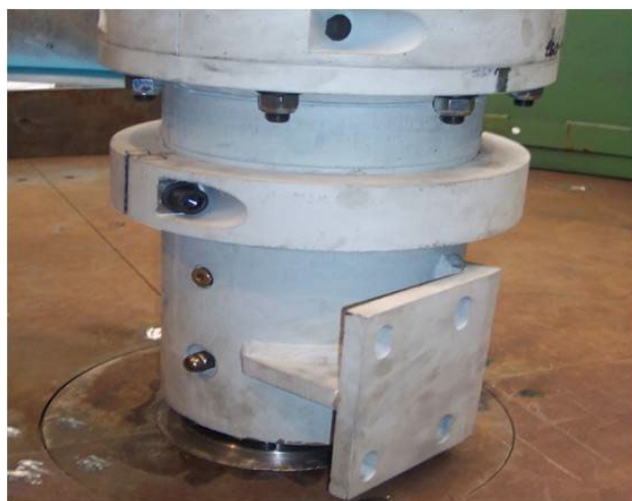
At DISA, we have developed a spare part kit to replace the complete lower part of the center column in one assembled unit. The kit includes O-rings to the connection piece, a new water seal and the connecting flange to the water inlet.

To mount a preassembled unit is a fast and safe solution. This action will ensure the maximum uptime for the Sam Mixer system.

Please contact your local DISA Representative and ask for item number **10230988**

Part Name	Part No.	Qty
Water Seal	596-481-124	1
Water Connecting Flange	592-466-082	1
Adjustment Ring	592-466-076	1
O-rings	062-1630-730	2

# Repair Kit Divided Column for SAM 10 Mixer



## SAM 10 Mixer with Divided Columns

At DISA, we have developed a spare part kit to replace the complete lower part of the center column in one assembled unit. The kit includes O-rings to the connection piece, a new water seal and the connecting flange to the water inlet.

To mount a preassembled unit is a fast and safe solution. This action will ensure the maximum uptime for the Sam Mixer system.

Please contact your local DISA Representative and ask for item number **10231806**

Part Name	Part No.	Qty
Water Seal	596-481-124	1
Water Connecting Flange	592-466-104	1
Adjustment Ring	592-466-190	1
O-rings	10083488	2

# Repair Kit Divided Column for SAM 16



## SAM 16 Mixers with Divided Columns

At DISA, we have developed a spare part kit to replace the complete lower part of the center column in one assembled unit. The kit includes O-rings to the connection piece, a new water seal and the connecting flange to the water inlet.

To mount a preassembled unit is a fast and safe solution. This action will ensure the maximum uptime for the Sam Mixer system.

Please contact your local DISA Representative and ask for item number **10189865**

Part Name	Part No.	Qty
Water Seal	596-481-106	1
Water Connecting Flange	592-466-023	1
Adjustment Ring	592-466-024	1
O-rings	10083483	2

## Divided Column for SAM Mixer



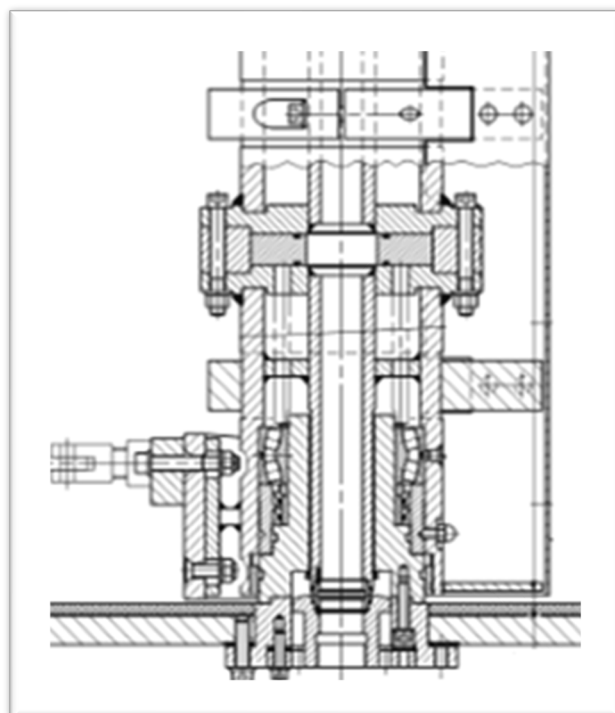
The SAM centre bearings are to be replaced at a frequency of every 4 years.

In order to ease the replacement job, DISA has developed the divided column kit for the SAM mixer program.

### The SAM Mixer Divided Column Kit provides

- Reduced downtime for maintenance
- Reduced maintenance cost
- Easier replacement of bearings

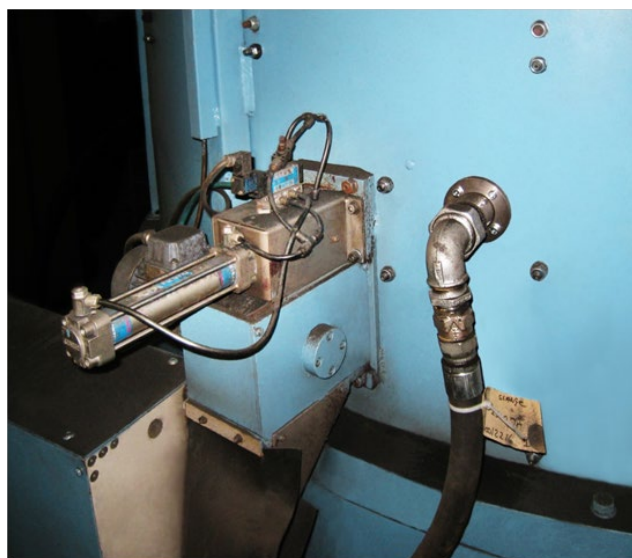
Please contact your local DISA Representative and ask for the part specifically for your Machine Type in the table below.



Part Name	Part No.
SAM 3	592-466-064
SAM 6	592-466-080
SAM 10 Ceramic	592-466-239
SAM 10	592-466-186
SAM 16 Ceramic	592-466-212
SAM 14 & 16	592-466-141
SAM 16 (180S)	592-466-155



# Water Supply for SAM Mixer



The Sam Mixers can be updated to add water from 3 positions on the mixer wall.

## The SAM Mixer Water Supply Kit provides

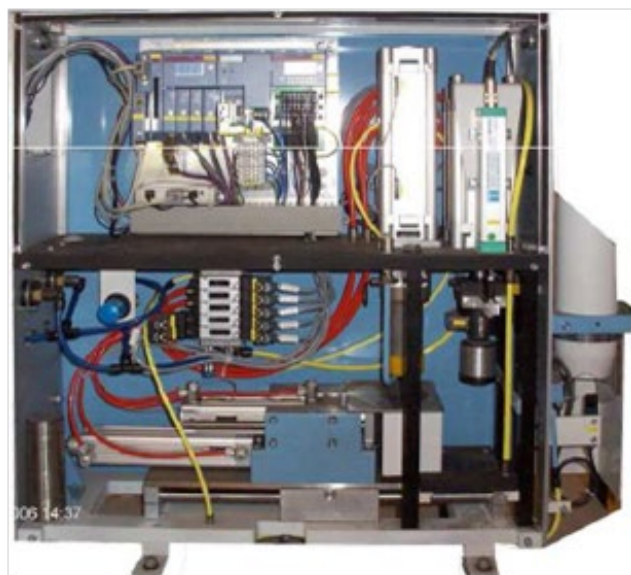
- Reduced sand sticking inside mixer bowl
- Reduced maintenance
- Higher mixing efficiency

A manual for installation is supplied with the kit to enable the customer to install the kit without the help of a DISA technician.

Please contact your local DISA Representative and ask for the part specifically for your mixer type in the table below.

Machine Type	Part No.
SAM3, 6, 10 & 14 with steel lining	10425973
SAM16 & 16S with steel lining	10425995
SAM3, 6 & 10 with ceramic lining	10425986
SAM16 & 16S with ceramic lining	10426001
All SAM – Hose and fitting kit	10556290

# Wear Parts for SMC



## Maintain Top Performance of the SMC

The DISA SMC Wear parts enable you to maintain the top performance of the SMC.

**Spare parts kit is for 2 years use**

On the picture and drawing below you can see where to replace the Wear parts on the SMC.

## Advantages

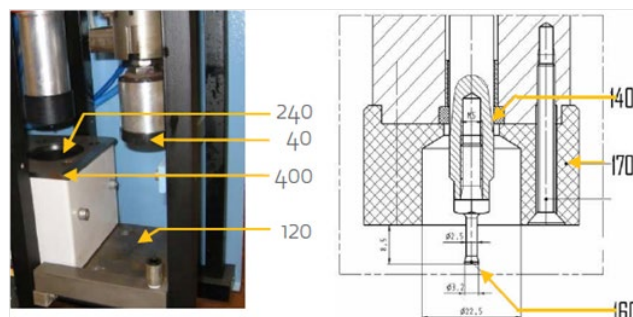
- Reliable readings
- Stable moulding sand

Please contact your local DISA Representative and ask for item number **10140403**

## Please note

*For a total kit, apply the number above. For specific parts, apply the number in the table.*

Part Name	Position	Part No.	Qty
Test pin	160	592-802-616	8
Pressure ring	170	592-802-598	1
Seal ring	140	592-802-643	1
Piston ring	40	592-801-522	1
Bushing	240	592-801-505	1
Top Plate	400	592-801-909	1
Low slide Plate	120	592-801-544	1



# DISACOOOL 2400 Update: 17" Low Profile Tyres



*Picture is for illustrative purpose only as size depends on machine size*

## DISACOOOL Kit Wheel with Tyre 16" to 17"

DISA has developed a new Kit with lower profile of Tyres 17".

It will now be possible to update your DISACOOOL with low profile Tyres 17" which are used on all new DISACOOOL today.

## 6 advantages using this kit

- This type of Tyres can endure 20% more load
- Extended lifetime
- Less deformation of Tyres and thereby less wear
- Lower roller friction and thereby approximately 5% less energy consumption
- It will be possible to change the complete wheel / rim without removing bearings from the shaft
- This new solution will make it much more service friendly

Please contact your local DISA Representative for further information.

DISACOOOL Type	Kit Name	Part No.	Qty	Description - Contains all necessary Parts
<b>DISACOOOL 2400</b>				
Drive Roller	Low Profile Drive Roller	10155842	2	Wheel with Tyre-Bushing-Shaft-Sealing-Bearing Housing-Bearing-Assy without: Gear
Carrying Roller	Low Profile Carrying Roller	10155843	2	Wheel with Tyre-Bushing-Shaft-Sealing-Bearing Housing-Bearing-Assy without: Gear

# DISACOOL 2900 Update: 17" Low Profile Tyres



Picture is for illustrative purpose only as size depends on machine size

## DISACOOL Kit Wheel with Tyre 16" to 17"

DISA has developed a new Kit with lower profile of Tyres 17".

It will now be possible to update your DISACOOL with low profile Tyres 17" which are used on all new DISACOOL today.

## 6 advantages using this kit

- This type of Tyres can endure 20% more load
- Extended lifetime
- Less deformation of Tyres and thereby less wear
- Lower roller friction and thereby approximately 5% less energy consumption
- It will be possible to change the complete wheel / rim without removing bearings from the shaft
- This new solution will make it much more service friendly

Please contact your local DISA Representative for further information.

DISACOOL Type	Kit Name	Part No.	Qty	Description - Contains all necessary Parts
<b>DISACOOL 2900</b>				
Drive Roller	Low Profile Drive Roller	10155840	2	Wheel with Tyre-Bushing-Shaft-Sealing-Bearing Housing-Bearing-Assy without Gear
Carrying Roller	Low Profile Carrying Roller	10155841	2	Wheel with Tyre-Bushing-Shaft-Sealing-Bearing Housing-Bearing-Assy without Gear

# DISACOOL 3200 Update: 17" Low Profile Tyres



*Picture is for illustrative purpose only as size depends on machine size*

## DISACOOL Kit Wheel with Tyre 16" to 17"

DISA has developed a new Kit with lower profile of Tyres 17".

It will now be possible to update your DISACOOL with low profile Tyres 17" which are used on all new DISACOOL today.

## 6 advantages using this kit

- This type of Tyres can endure 20% more load
- Extended lifetime
- Less deformation of Tyres and thereby less wear
- Lower roller friction and thereby approximately 5% less energy consumption
- It will be possible to change the complete wheel / rim without removing bearings from the shaft
- This new solution will make it much more service friendly

Please contact your local DISA Representative for further information.

DISACOOL Type	Kit Name	Part No.	Qty	Description - Contains all necessary Parts
<b>DISACOOL 3200</b>				
Drive Roller	Low Profile Drive Roller	10154951	2	Wheel with Tyre-Bushing-Shaft-Sealing-Bearing Housing-Bearing-Assy without Gear
Carrying Roller	Low Profile Carrying Roller	10117852	2	Wheel with Tyre-Bushing-Shaft-Sealing-Bearing Housing-Bearing-Assy without Gear

# DISACOOL 3400 Update: 17" Low Profile Tyres



Picture is for illustrative purpose only as size depends on machine size

## DISACOOL Kit Wheel with Tyre 16" to 17"

DISA has developed a new Kit with lower profile of Tyres 17".

It will now be possible to update your DISACOOL with low profile Tyres 17" which are used on all new DISACOOL today.

## 6 advantages using this kit

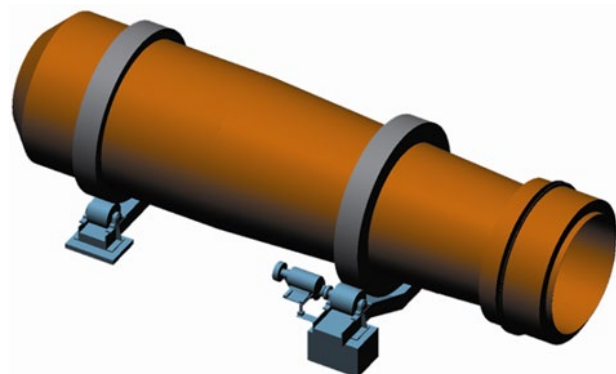
- This type of Tyres can endure 20% more load
- Extended lifetime
- Less deformation of Tyres and thereby less wear
- Lower roller friction and thereby approximately 5% less energy consumption
- It will be possible to change the complete wheel / rim without removing bearings from the shaft
- This new solution will make it much more service friendly

Please contact your local DISA Representative for further information.

DISACOOL Type	Kit Name	Part No.	Qty	Description - Contains all necessary Parts
<b>DISACOOL 3400</b>				
Drive Roller	Low Profile Drive Roller	10155833	4	Wheel with Tyre-Bushing-Shaft-Sealing-Bearing Housing-Bearing-Assy without Gear



# Recommended Spare Parts for DISACOOOL 2400 before 2010



**Faster and easy change of Tyres.**

**We can offer RIM and Tyres assembled.**

**Idler Roller Assembly: Position 16 and 260 of  
Drawing No.: 2117B2531**

Wheel with 1 pcs. of 9"-Tyre	10135737	2	1
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**Drive Roller Assembly: Position 16 and 260 of  
Drawing No.: 2117B2521**

Wheel with 1 pcs. of 9"-Tyre	10135737	2	1
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**Water Dosing Unit  
Drawing No.: 2047B8451 1"**

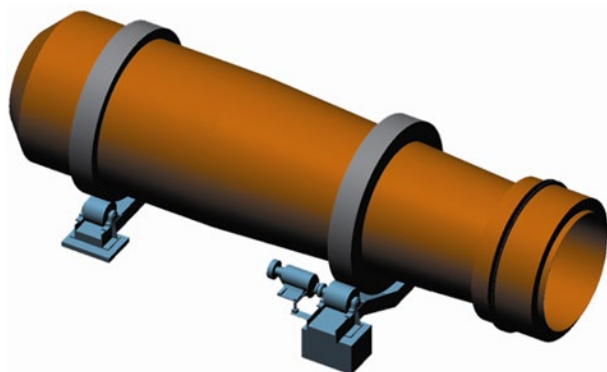
Water meter (Kit)	item 13	10073259	1	1
Pneu. Operated Axial Valve	item 16	10053180	2	1
BasePlate	item 18	10078634	2	1
Air Valve 24vdc	item 19	10085340	2	1

Type of Machine: DISACOOOL 2400 (before 2010)

			Recom- mended	Critical
Part Type	Item No.	ID	Qty	Qty
Critical & Recommended Spare Parts List				
Drawing No.: 2117B2501, 2511, 2531 and 2541				
Vulkollan Tyre (22x9x16")	item 260	2067B3870	4	2
Thrust Wheel	item 10	10076813	2	1
Thrust Wheel Bearing R 50/90/20	item 30	10000078	2	1
Roller Bearing R 130/200/65 RL	item 245	10024171	8	2
Bearing Housing	item 250	9108K5058	8	2
Sealing for Bearing	item 26	2047B3561	16	4
Locking Assembly	item 265	9108A1047	4	1
Inductive Sensor	item 300	10055504	4	1
Shaftmoun. Planetary Gear Unit	item 275	10076787	2	1
Electric Motor	item 280	10113937	2	1
Buffer Ø63X17X63	item 230	9105H0107	4	2
Proxim Switch 24V	item 200	10043469	1	1
Proxim Switch 24V	item 295	10085871	1	1
Sensor Temp 0-250gr 4-20ma 15	item 530	10103052	1	1
Inductive Sensor M18 24VDC	item 560	10055552	1	1
Sensor Temp 0-250gr 4-20mA 2:1	item 580	10103138	1	1



# Recommended Spare Parts for DISACOOOL 2400 after 2010



## Water Dosing Unit Drawing No.: 2047B8451 1"

Water Meter	item 11	10056101	1	1
Air Valve	item 13	10098946	2	1
Gunmetal Angle Seat Valve	item 14	10055506	2	1

Faster and easy change of Tyres.  
We can offer RIM and Tyres assembled.

## Carrying Roller: Position 16 and 260 of Drawing No.: 10120953

Rim 17" with 1 pcs. of 9" Tyres Assy.	10135750	2	1
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## Drive Roller Assembly: Position 16 and 260 of Drawing No.: 10120949

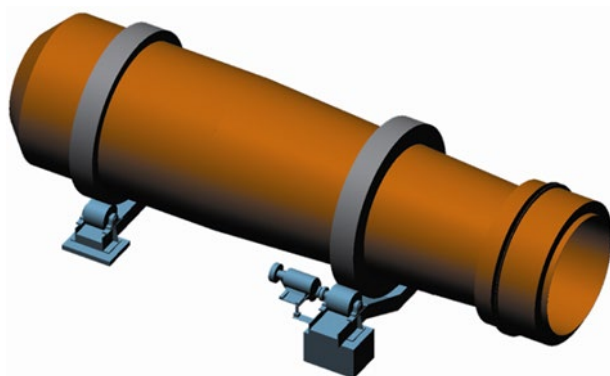
Rim 17" with 1 pcs. of 9" Tyres Assy.	10135750	2	1
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Type of Machine: DISACOOOL 2400

Part Type	Item No.	ID	Recom- mended Qty	Critical Qty
<b>Critical &amp; Recommended Spare Parts List</b> <b>Drawing No.: 10700395, 10170354, 10120949 and 10120953</b>				
Urelast Spring / Buffer ø63x17x63	item 230	9105H0107	4	2
Vulkollan Tyre (22x9x17")	item 10/181	10116497	4	2
Thrust Wheel	item 10	10a076813	2	1
Thrust Wheel Bearing R 50/90/20	item 30	10000078	2	1
Roller Bearing R 130/200/65 RL	item 80/150	10024171	8	2
Bearing Hoousing	item 90/160	9108Ka5058	8	2
Sealing for Bearing	item 100/140	2047B3561	16	4
Locking Assembly	item 20	10107223	4	1
Inductive Sensor	item 300	10055504	4	1
Shaftmounted Planetary Gear Unit	item 70	10076787	2	1
Proxim Switch 24V	item 200	10043469	1	1
Proxim Switch 24V	item 295	10085871	1	1
Sensor Temp 0-250gr 4-20ma 15	item 530	10103052	1	1
Inductive Sensor M18 24VDC	item 560	10055552	1	1
Sensor Temp 0-250gr 4-20mA 2:1	item 580	10103138	1	1



# Recommended Spare Parts for DISACOOOL 2900 before 2010



**IMPORTANT: Gear ratio is changed**

**Remember to replace all Units at the same time.**

## New type of Gear

Shaft mounted planetary Gear Unit	item 190	10077895	2	1
Electric Motor	item 191	10022110	2	1

## Water Dosing Unit

### Drawing No.: 2047B8052

Water meter (Kit)	item 13	10073259	1	1
Pneu. Operated Axial Valve	item 16	10053180	2	1
BasePlate	item 18	10078634	2	1
Air Valve 24vdc	item 19	10085340	2	1

Type of Machine: DISACOOOL 2900 (before 2010)

Part Type	Item No.	ID	Recom- mended Qty	Critical Qty
<b>Critical &amp; Recommended Spare Parts List</b>				
<b>Drawing No.: 2047A4201, 4211, 4222, 4233 and 4241</b>				
Urelast Spring / Buffer	item 172	9105H0079	4	2
Vulkollan Tyre (22x9x16")	item 181	2067B3870	4	2
Vulkollan Tyre (22x8x16")	item 182	2067B3860	4	2
Thrust Wheel	item 180	9108O0082	2	1
Sealing for Bearing	item 46	2047B3221	16	4
Bearing	item 175	10024172	8	2
Bearing Housing	item 176	9108K5155	8	2
Locking Assembly	item 183	9108A1017	8	2
Sensor	item 195	9116X7545	4	1

**Faster and easy change of Tyres.**

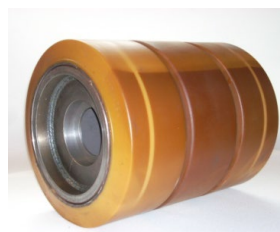
**We can offer wheel and Tyres assembled.**

## Drive Roller Assembly: Position 44 and 181 of Drawing No.: 2047A4221

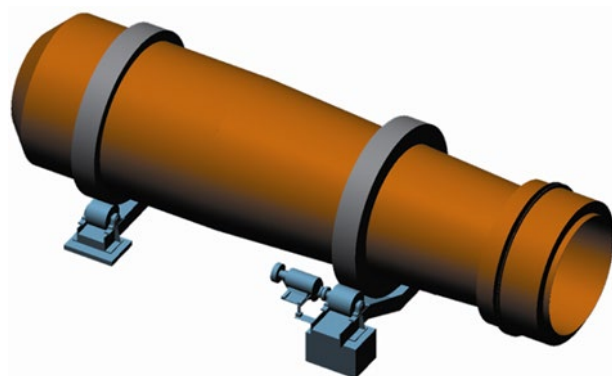
Wheel Assy. with two 9" Tyres	10110138	2	1
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## Drive Roller Assembly: Position 20 and 182 of Drawing No.: 047A4231

Wheel Assy. with two 8" Tyres	10110141	2	1
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# Recommended Spare Parts for DISACOOOL 2900 after 2010



Faster and easy change of tyres.  
We can offer RIM and Tyres assembled.

Drive Roller Assembly: Position 44 and 181 of  
Drawing No.: 10122139

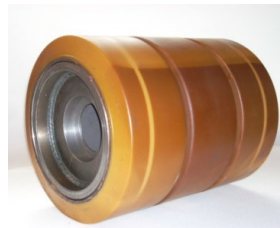
Rim 17" with 2 pcs. of 9" Tyres Assy.	10135769	2	1
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Drive Roller Assembly: Position 20 and 182 of  
Drawing No.: 10122137

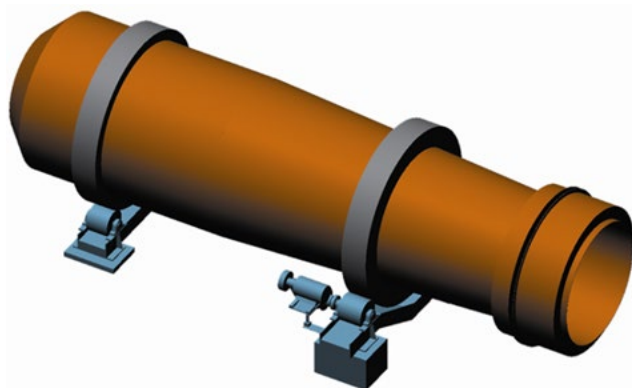
Rim 17" with 2 pcs. of 8" Tyres Assy.	10135765	2	1
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Type of Machine: DISACOOOL 2900

			Recom- mended Critical	
Part Type	Item No.	ID	Qty	Qty
Critical & Recommended Spare Parts List				
Drawing No.: 2047A4201, 4211, 10122139 and 10122137				
Urelast Spring / Buffer ø80xø21x80	item 172	9105H0079	4	2
Vulkollan Tyre (22x9x17")	item 181	10116497	4	2
Vulkollan Tyre (22x8x17")	item 182	10116496	4	2
Thrust Wheel (400/100/050)	item 180	9108O0082	2	1
Roller Bearing	item 175	10024172	8	2
Bearing Housing	item 176	9108K5155	8	2
Sealing for Bearing	item 46	2047B3221	16	4
Locking Assembly 160x210	item 183	10107223	8	2
Inductive Sensor	item 195	10055504	4	1
Shaftmounted Planetary Gear Unit	item 190	10077895	2	1
Proxim Switch 24V	item 200	10043469	1	1
Sensor Temp 0-250gr 4-20ma 15	item 330	10103052	1	1
Inductive Sensor M18 24VDC	item 350	10055552	1	1
Sensor Temp 0-250gr 4-20mA 2:1	item 370	10103138	1	1



# Recommended Spare Parts for DISACOOOL 3200 before 2010



**Water Dosing Unit**  
**Drawing No.: 2047B382x**

Water Meter (Kit)	item 13	10073259	1	1
Pneu. Operated Axial Valve	item 16	10075692	2	1
Air Valve	item 18	10027738	2	1

**Water Dosing Unit**  
**Drawing No.: 2047B380x**

Water Meter (Kit)	item 13	10073259	1	1
Pneu. Operated Axial Valve	item 16	10075692	1	1
Air Valve	item 11	10091005	1	1

**Water Dosing Unit**  
**Drawing No.: 2047B805x**

Water Meter (Kit)	item 13	10073259	1	1
Pneu. Operated Axial Valve	item 16	10053180	2	1
Base Plate	item 18	10078634	2	1
Air Valve 24 vdc	item 19	10085340	2	1

Type of Machine: DISACOOOL 3200 (before 2010)

			Recom- mended	Critical
Part Type	Item No.	ID	Qty	Qty
Critical & Recommended Spare Parts List				
Drawing No.: 2047B237x, 241x, 253x, 832x AND 261X				
Urelast Spring/Buffer	item 172	9105H0079	1	1
Vulkollan Tyre (22x9x16")	item 181	2067B3870	4	2
Vulkollan Tyre (22x10x16")	item 181.1	2067B3880	4	2
Thrust Wheel	item 180	10077528	2	1
Sealing for Bearing	item 46	2047B3561	16	4
Bearing	item 177	10024171	8	2
Bearing Housing	item 178	9108K5058	8	2
Locking Assembly	item 182	9108A1017	4	2
Sensor	item 195	10038316	1	1
Shaftmounted Planetary				
Gear Unit	item 200	9108D0056	2	1
Electrical Motor	item 201	10032933	2	1
V-Belt Set	item 213	10032030	2	2

**Faster and easy change of Tyres.**

**We can offer wheel and tyres assembled.**

**Support Wheel: Position 15 and 181 of**  
**Drawing No.: 2047B2611**

Wheel Assy. with two 9" Tyres	10110138	2	1
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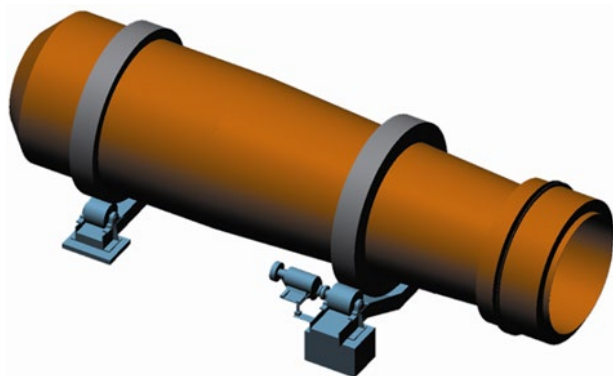
**Drive Wheel: Position 16 and 181.1 of**  
**Drawing No.: 2047B2541**

Wheel assy. with two 10" Tyres	10110099	2	1
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# Recommended Spare Parts for DISACOOOL 3200 after 2010



Faster and easy change of Tyres.  
We can offer RIM and Tyres assembled.

Drive Roller Assembly: Position 16 and and 181.1 of  
Drawing No.: 10106817

Rim 17" with 2 pcs. of 10" Tyres Assy.	10136037	2	1
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Carrying Roller Assembly: Position 15 and 181 of  
Drawing No.: 10106809

Rim 17" with 2 pcs. of 9" Tyres Assy.	10135769	2	1
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Water Dosing Unit  
Drawing no.: 2047B8051 1"

Water Meter	item 11	10056101	1	1
Air Valve	item 13	10098946	2	1
Gunmetal Angle Seat Valve	item 14	10055506	2	1

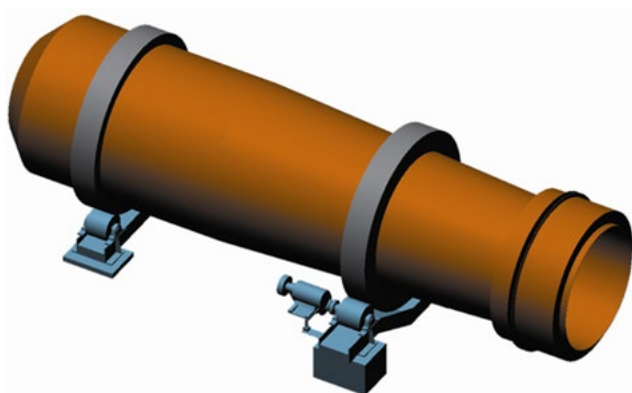
Type of Machine: DISACOOOL 3200

Part Type	Item No.	ID	Recom- mended Qty	Critical Qty
<b>Critical &amp; Recommended Spare Parts List</b> Drawing No.: 2047B8521, 8531, 10106817 and 10106809				
Urelast Spring / Buffer ø80xø21x80	item 172	9105H0079	4	2
Vulkollan Tyre (22x9x17")	item 181	10116497	4	2
Vulkollan Tyre (22x10x17")	item 181.1	10116498	4	2
Thrust Wheel (400/100/050)	item 180	9108O0082	2	1
Roller Bearing	item 177	100244171	8	2
Bearing Housing	item 178	9108K5058	8	2
Sealing for Bearing	item 46	2047B3561	16	4
Locking Assembly 160x210	item 182	10107223	8	2
Inductive Sensor	item 195	10055504	4	1
Planet Gear Unit	item 200	9108D0056	2	1
Proxim Switch 24V	item 214	10043469	1	1
Sensor Temp 0-250gr 4-20ma 15	item 330	10103052	1	1
Inductive Sensor M18 24VDC	item 350	10055552	1	1
Sensor Temp 0-250gr 4-20mA 2:1	item 370	10103138	1	1





# Recommended Spare Parts for DISACOOOL 3400 before 2010



**IMPORTANT:** Gear Ratio is changed  
Remember to replace all 4 at the same time.

New Type of Gear				Recom- mended Qty	Critical Qty
Shaftmounted Planetary					
Gear Unit SL 3013 50 Hz	item 190	10077895	4	1	
Gear Unit SL 3013 60 Hz	item 190	10175836	4	1	
Faster and easy change of Tyres. We can offer Wheel and Tyres assembled.					
Drive Roller Assembly: Position 21 and 181 of Drawing No.: 2067B3651 & 2067B3941					
Wheel Assy. with 3 pcs. 9" tyres		10108886	4	1	

Type of Machine: DISACOOOL 3400 (before 2010)

Part Type	Item No.	ID	Recom- mended Critical	
			Qty	Qty
Critical & Recommended Spare Parts List				
Drawing No.:2067B3621, 2131, 3611, 3651 and 3661				
Urelast Spring / Buffer	item 172	9105H0079	1	1
Vulkollan Tyre (22x9x16")	item 181	2067B3870	12	3
Thrust Wheel	item 180	10077528	2	1
Bearing	item 174	10024173	4	2
Bearing	item 175	10024172	4	2
Bearing Housing	item 176	9108K5155	8	2
Locking Assembly	item 182	9108A1047	2	2
Sensor	item 195	10038316	1	1
Sealing for Bearing	item 25	2047B3221	16	16

**Water Dosing Unit**  
Drawing No.: 2047B8051 & 52

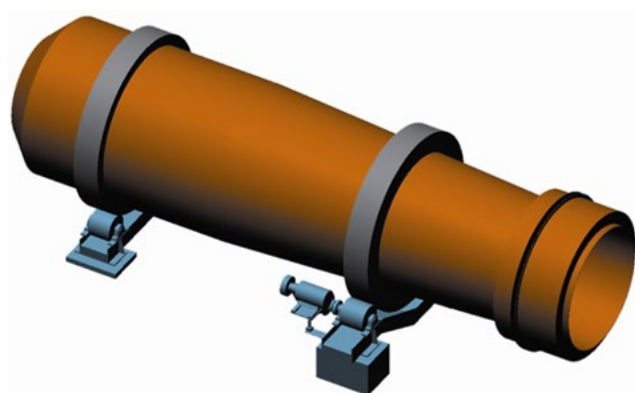
Water Meter (Kit)	item 13	10073259	1	1
Pneu. Operated Axial Valve	item 16	10053180	2	1
BasePlate	item 18	10078634	2	1
Air Valve 24vdc	item 19	10085340	2	1

**Water Dosing Unit**  
Drawing No.: 2077F8591

Water Meter (Kit)	item 11	10073260	1	1
Valve Angle Seat	item 14	10055507	2	1
Pilot Valve	item 13	10098946	2	1



# Recommended Spare Parts for DISACOOL 3400 after 2010



**Water Dosing Unit**  
Drawing No.: 2047B8051 1"

			Recom- mended Qt	Critical Qt
Water Meter	item 11	10056101	1	1
Air Valve	item 13	10098946	2	1
Gunmetal Angle Seat Valve	item 14	10055506	2	1

**Faster and easy change of Tyres.**  
We can offer RIM and Tyres assembled.

**Drive Roller Assembly: Position 10 and 30 of**  
Drawing No.: 10120859

Rim 17" with 3 pcs. of 9" Tyres Ass.	10136045	4	1
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Type of Machine: DISACOOL 3400

Part Type	Item No.	ID	Recom- mended Qty	Critical Qty
<b>Critical &amp; Recommended Spare Parts List</b> Drawing No.: 2067B3611, 3621 and 10120859				
Urelast Spring / Buffer Ø80 x Ø21 x 80	item 172	9105H0079	8	2
Vulkollan Tyre (22x9x17")	item 10	10116497	12	3
Roller Bearing R 140/210/85 RL	item 110	10024173	4	2
Roller Bearing R 140/210/70 RL	item 70	10024172	4	2
Bearing Housing	item 120	9108K5155	8	2
Sealing for Bearing	item 100	2047B3221	16	4
Locking Assembly 170x225	item 50	10178440	8	2
Gear Unit SL3013 50 Hz	item 180	10077895	4	1
Gear Unit SL3013 60 Hz	item 180	10175836	4	1
Inductive Sensor	item 195	10055504	4	1
Proxim Switch 24V	item 200	10085871	1	1
Sensor Temp 0-250gr 4-20ma 15	item 330	10103052	1	1
Inductive Sensor M18 24VDC	item 350	10055552	1	1
Sensor Temp 0-250gr 4-20mA 2:1	item 370	10103138	1	1
Thrust Wheel (500/150/070)	item 180	10038409	2	1



## Wall Scraper Kit for SAM 10 Mixer



The Sam 10 Mixers can be updated with a wall Scraper kit to change the working angle of the unit from 30 to 23 degrees.

The Hard Metal Scrapers and the Wall Plough have a new design.

The design of the Support bar is changed and moved from the bottom to the middle of the Mixer Bowl.

Installation information is included in the kit.

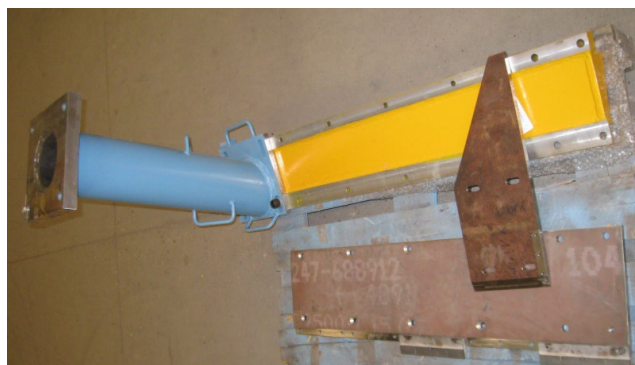
### The SAM Mixer Wall Scraper Kit provides

- 10 – 20 % more mixing capacity
- Higher mixing efficiency
- Reduced load on the main gear box

Please contact your local DISA Representative and ask for item number **10492224**



# Wall Scraper Kit for SAM 6 Mixer



The SAM 6 Mixers can be updated with a wall scraper kit to change the work angle of the wall scraper parts from 27 to 21 degrees.

The parts to change are mostly normal wear parts: Holder, arm, scraper holder plate, and scrapers.

This update will move between 6 to 12% of the energy consumption from the gear bridge and into the mixing turbine.

Scrapers and bottom plough have a new design.

Installation information is included in the kit.

## The SAM Mixer Wall Scraper Kit provides

- 6-12% more mixing capacity
- Higher mixing efficiency
- Reduced load on the main gear box
- Reduced wear on the scrapers and the mixer wall

Please contact your local DISA Representative and ask for item number **10497176**

# Down Sprue for DISA MATCH 130



All parts in the down sprue can be replaced individually. Drawing with a list of spare parts is supplied to the part when purchased.

Please contact your local DISA Representative and ask for the required part in the table below.

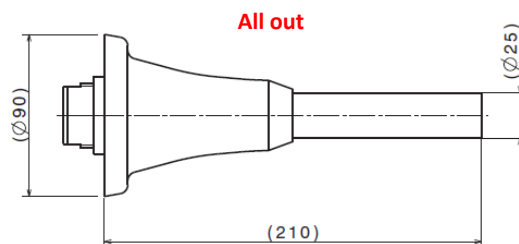
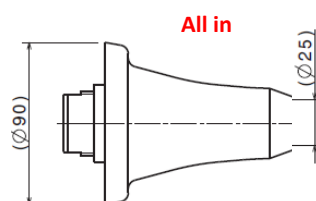
**Please note**

*Diameter refers to the part in contact with the pattern plate.*

**The Advantages of Down Sprues**

- DISA quality standards and tolerances
- Hardened wear surfaces
- All individual parts are available as spare parts
- Several down sprue sizes
- Special design on request

Part Name	Part No.	All in mm	All out mm
Down Sprue Ø20 Assy	10463876	100	197
Down Sprue Ø25 Assy	10263602	100	197
Down Sprue Ø30 Assy	10406682	138	255
Down Sprue Ø20 Assy	10558250	105	210
Down Sprue Ø20 Assy	10558252	135	270
Down Sprue Ø25 Assy	10558253	105	210
Down Sprue Ø25 Assy	10558254	135	270
Down Sprue Ø30 Assy	10558255	125	229
Down Sprue Ø30 Assy	10558256	146	271
Down Sprue Ø35 Assy	10558257	125	229
Down Sprue Ø35 Assy	10558258	146	271









# Down Sprue for DISA MATCH 28/32 and DISA MATCH 32/32



All parts in the Down Sprue can be replaced individually. Drawing with list of spare parts will be added to part when purchased.

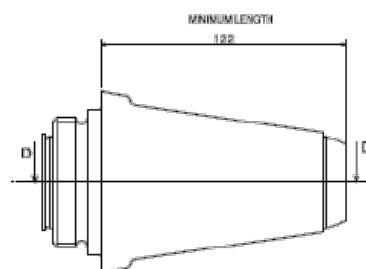
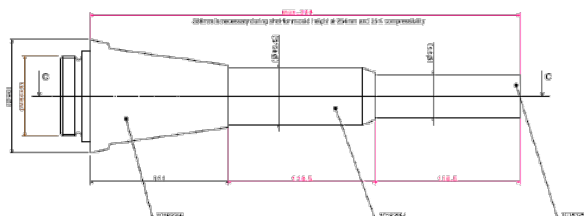
Please contact your local DISA Representative and ask for the required part in the table.

## **Please note**

*Diameter refers to the part in contact with the Pattern Plate.*

## **The Advantages of Down Sprues**

- DISA quality standards and tolerances
- Hardened wear surfaces
- All individually parts are available as spare parts
- Several down sprue sizes
- Special design on request



# Down Sprue for DISA MATCH 20/24



All parts in the Down Sprue can be replaced individually. Drawing with list of spare parts will be added to part when purchased.

Please contact your local DISA Representative and ask for the required part in the table.

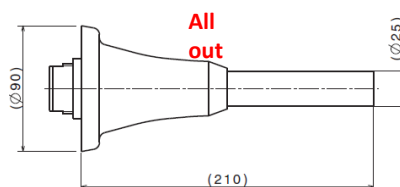
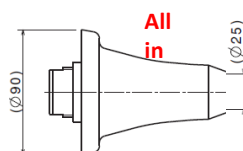
**Please note**

*Diameter refers to the part in contact with the Pattern Plate.*

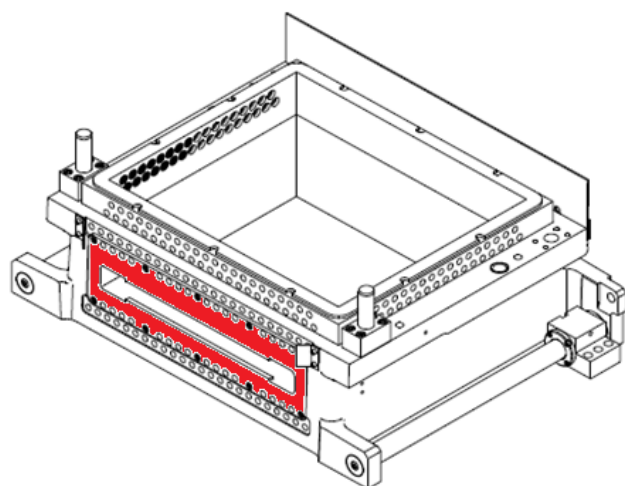
**The Advantages of Down Sprues**

- DISA quality standards and tolerances
- Hardened wear surfaces
- All individually parts are available as spare parts
- Several down sprue sizes
- Special design on request

Part Name	Part No.	All in mm	All out mm
Down Sprue Ø20 Assy	10463876	100	197
Down Sprue Ø25 Assy	10263602	100	197
Down Sprue Ø30 Assy	10406682	138	255
Down Sprue Ø20 Assy	10558250	105	210
Down Sprue Ø20 Assy	10558252	135	270
Down Sprue Ø25 Assy	10558253	105	210
Down Sprue Ø25 Assy	10558254	135	270
Down Sprue Ø30 Assy	10558255	125	229
Down Sprue Ø30 Assy	10558256	146	271
Down Sprue Ø35 Assy	10558257	125	229
Down Sprue Ø35 Assy	10558258	146	271



# Sand Slot Units for DISA MATCH 130



## Drag Sand slots specified for Pattern Plate thickness.

To ensure a perfect line up between drag chamber, sand slot and the sand hopper, 3 different drag sand slots are available in the parts catalogue.

We have made a 4th model to cover a wider pattern plate thickness ranging from 17-31 mm. This flexibility can for example be used to change Pattern thickness in new Patterns and still be able to run the old patterns.

All units are made of hardened Impax steel.

Please contact your local DISA Representative and ask for the required part in the table.

Part Name	Part No.	Thickness Pattern Plate	Qty
Sand Slot Unit 1 Drag Chamber	2640Z2080	12-26 mm	1
Sand Slot Unit 2 Drag Chamber	2640Z2060	27-40 mm	1
Sand Slot Unit 3 Drag Chamber	2640Z2040	24-34 mm	1
Sand Slot Unit 4 Drag Chamber	2640Z2270	17-31 mm	1
Screw M8X25	9103D0425		10

# Lift-off Devices for Pattern Plate



Part Name	Part No.
Rubber Ball Ø5	9107T0100
Rubber Ball Ø6	9107T0101
Rubber Ball Ø7	9107T0102
Rubber Ball Ø8	9107T0103
Rubber Ball Ø10	9107T0104
Rubber Ball Ø12	9107T0105
Rubber Ball Ø14	9107T0106
Rubber Ball Ø15	9107T0107
Rubber Ball Ø16	9107T0108
Rubber Ball Ø18	9107T0109
Rubber Ball Ø20	9107T0110
Rubber Ball Ø25	9107T0111
Rubber Ball Ø30	9107T0112

Shore A65

Part Name	Part No.
Silicone Ball Ø5	9107T0120
Silicone Ball Ø6	9107T0121
Silicone Ball Ø7	9107T0122
Silicone Ball Ø8	9107T0123
Silicone Ball Ø10	9107T0124
Silicone Ball Ø12	9107T0125
Silicone Ball Ø14	9107T0126
Silicone Ball Ø15	9107T0127
Silicone Ball Ø16	9107T0128
Silicone Ball Ø18	9107T0129
Silicone Ball Ø20	9107T0130
Silicone Ball Ø25	9107T0131
Silicone Ball Ø30	9107T0132

Shore A25

## Bump-on for Pattern Plate

A rubber ball at the bottom of a deep concave pattern plate helps to push green sand moulds out during stripping by delivering back the energy accumulated inside during squeezing (fig. 2.23).

The softness, surface area and thickness of the rubber ball or lifter depends on the pressure exercised to the part of a specific pattern during the squeezing operation. In turn, the pressure depends on the machine settings, depth, pattern and surface finish of the pattern.

If an impression-less top of the green sand mould is required after mould assembly, a convex rubber lifter can be employed. Air holes must be provided under the lifter as shown in fig. 2.24.

Please contact your local DISA Representative and ask for the required part in the table.

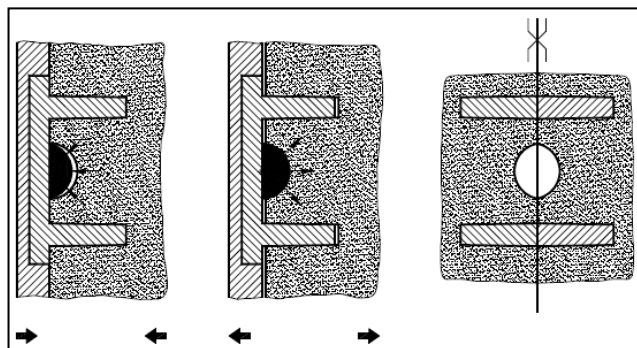


Figure 2.23

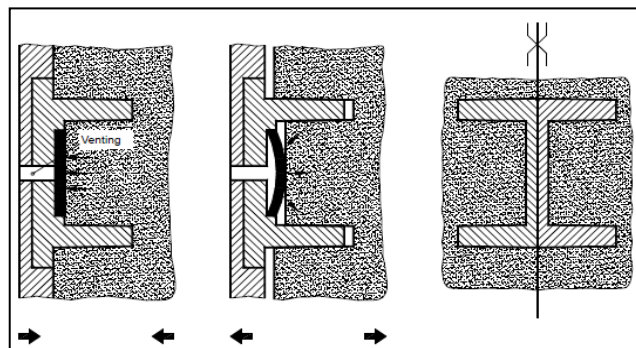


Figure 2.24

# Dome Valve Repair Kit for DISAMATIC 2013 MK4 B, 2013 MK5 B and 2070 MK1 A



## Reduce maintenance cost

Keeping your DISAMATIC in top operating condition is one of the keys to maintain your overall casting quality. The sand valve is a vital part of the moulding process and is subject to extreme wear.

DISA has specifically designed these repair kits based on many years of worldwide experience from our service engineers and our valued customers.

The new hardened dome is more resistant to the wear from continuous contact with the Sand and the life time of the dome is extended.

As a result of the reduced wear on the dome itself, the dome seal will also last longer, and the machine will stay in shape at a lower maintenance cost.

Please contact your local DISA Representative and ask for the required part in the table.

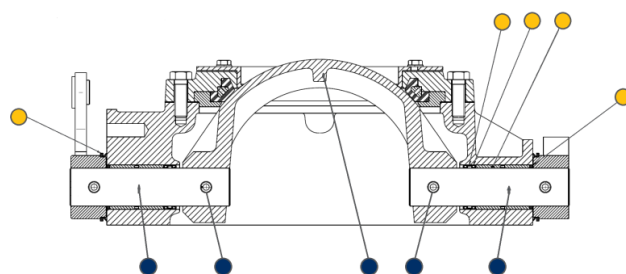
The kits are an easy-to-order kit, ensuring that you order all of the necessary components required to maintaining the dome valve, keeping the machine in shape at a lower maintenance cost.

## Repair Kit ●

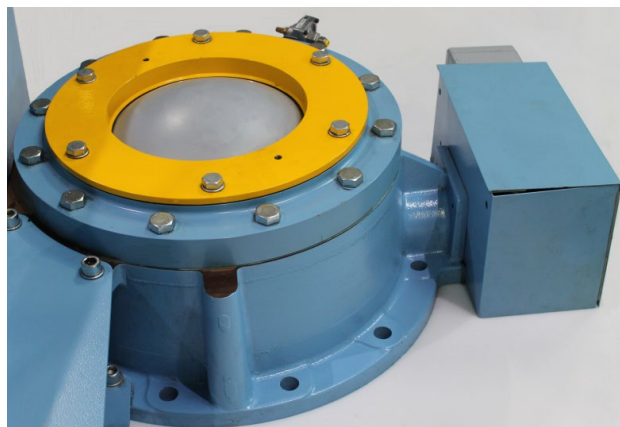
Machine Type	Part No.
DISAMATIC 2013 MK4 B, 2013 MK5 B & 2070 MK1 A	2070R0071

## Hardened Dome ●

Machine Type	Part No.
DISAMATIC 2013 B & 2070 A with dome ø300	2050A3370



# Dome Valve Repair Kit for DISAMATIC 2013 MK4 A and 2013 MK5 A



## Reduce maintenance cost

Keeping your DISAMATIC in top operating condition is one of the keys to your overall casting quality. The sand valve is a vital part of the moulding process and is subject to extreme wear.

DISA has specifically designed these repair kits based on many years of worldwide experience from our service engineers and our valued customers.

The kits are an easy-to-order kit, ensuring that you order all of the necessary components required to maintaining the dome valve, keeping the machine in shape at a lower maintenance cost.

The new hardened dome is more resistant to the wear from continuous contact with the Sand and the life time of the dome is extended.

As a result of the reduced wear on the dome itself, the dome seal will also last longer, and the machine will stay in shape at a lower maintenance cost.

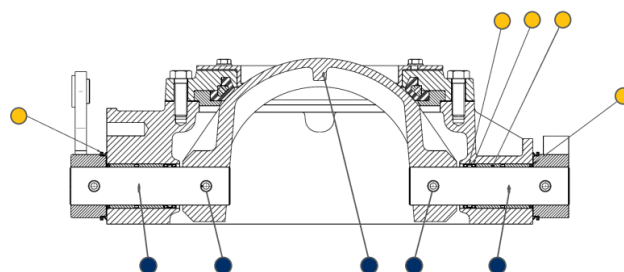
Please contact your local DISA Representative and ask for the required part in the table.

## Repair Kit

Machine Type	Part No.
DISAMATIC 2013 MK4 A & 2013 MK5 A	2040R1481

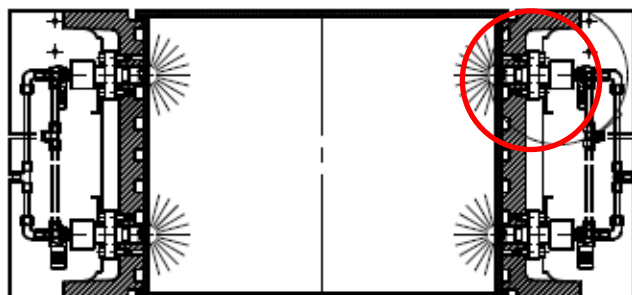
## Hardened Dome

Machine Type	Part No.
DISAMATIC 2013 MK4 - 5 A with dome ø250	2050A3360





# In-chamber Spray System with non-blocking Nozzle Design for DISAMATIC 2110 MK3



We have designed the latest version of our in-chamber parting spray systems as a retro-fit kit.

This kit is based on our patented and highly successful system, which is used on our New Generation machines.

A high demand from satisfied customers working with the 230 spray system, who want the same facility for their older machines, has promoted us to develop this new system.

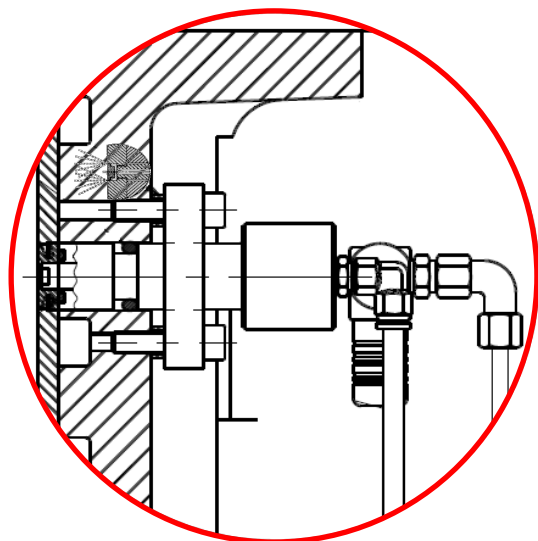
## *Please note*

Chamber plates to match the nozzles are required, but not included in this kit.

Please contact your local DISA Representative and ask for item number **2110R1830**

*Remember to state your machine type and serial number.*

*If the existing VDU is op25 or op27, an Upgrade is required.*



## **The new in-chamber Spray System provides these Advantages**

- Less maintenance on nozzles due to new design.
- Variable selection from 2 to 4 nozzles
- Reduces your spray fluid consumption
- Improves your working environment
- Adjustable spray frequency via the PLC (DISAMATIC 2110 MK3)
- Extends the lifetime of your chamber plates

## Pump Kit: Vickers to Rexroth Upgrade for DISA 230



From the beginning of the DISA 230 era, DISA used two suppliers of the main pumps to ensure a high service level to customers. Over time the Rexroth pump has proven to be the better choice both from a quality and price perspective.

DISA has made this kit available to enable installation of the Rexroth pump in machines originally equipped with the Vickers pump.

### **Pump Replacement Kit**

The pump comes preassembled with all necessary parts and software in order to install the Rexroth pump to your DISA 230.

### **Benefits of changing from Vickers to Rexroth:**

- Longtime proven reliability compared to Vickers pump
- Better pump control as the feedback system is more precise on the Rexroth pump
- Reduced cost for Rexroth pump almost covers cost of installation
- High availability on Rexroth spare parts
- Quick installation, only 3 days production stop is necessary

Please contact your local DISA Representative and ask for item number **10649057**

### ***Please note***

*We recommend that a skilled DISA service technician completes the installation and start up.*

# Upgrade your DISA 130 and 131 to 400 moulds



## Increase the Capacity of your DISA 130/131 with approx. 15%

This upgrade will boost the output of your DISA 130/131 from 300 to 350 cored moulds/ hrs.

The number of uncored moulds will increase from 350 to 400 moulds/hrs.\*

\* Standard Mould size 200mm

### Benefits:

- Approx. 15% increased capacity
- Fast installation – only 1 week production stop
- 1 year warranty on replaced parts

### Scope of Delivery

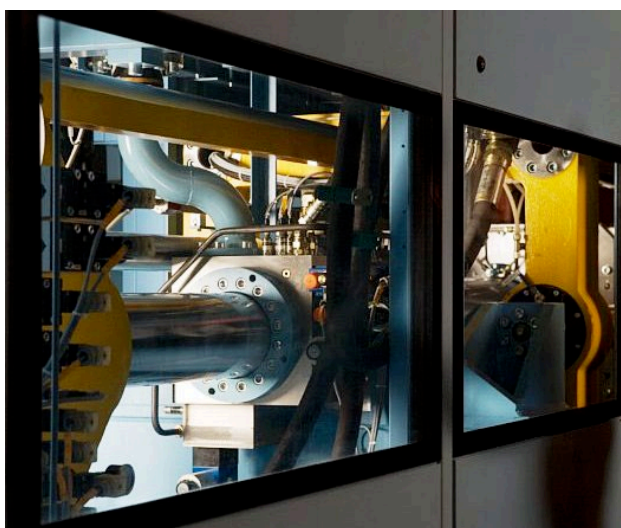
- Larger main pump
- New type of servo pump
- Upgrade kit for pumps

Contact your local DISA Representative and ask for: **11054644 Upgrade Kit for DISA 130 – 131**

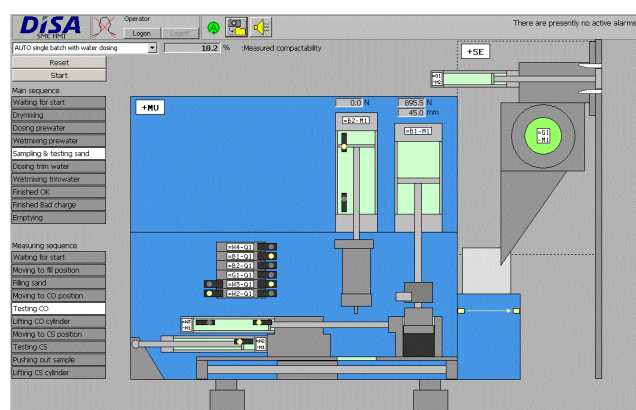
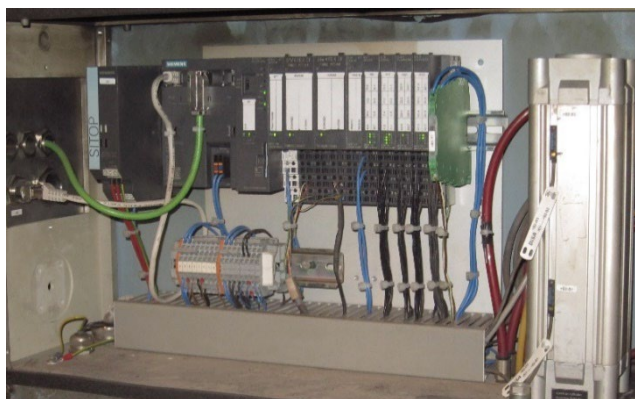
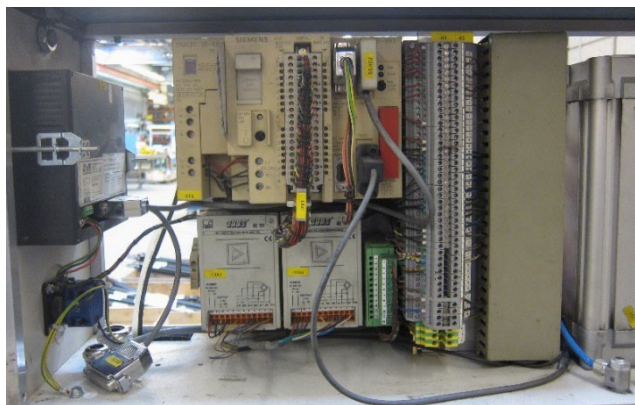
### Option

For machines 140001-140028 we recommend the add on:

- Updated CSE with rotary cylinder and a more rigid design, increasing uptime and ensuring a higher casting quality



# PLC Upgrade Kit for SMC



## Upgrade your SMC ver2.x – ver5.x and SMC Pro.

This PLC update and upgrade kit has been developed to bring older SMC's up to today's standards using Siemens PLC S7 and HMI, based on the latest version of Windows 10. The kit will ensure availability of future spare parts for SMC's from 1994 to 2008, which are rapidly becoming obsolete and discontinued.

## Why?

Your existing SMC system can be updated to today's standard without the need of buying a completely new, ensuring continued production and sand quality. The batch consistency is greatly increased, improving the overall sand quality. Traceability of the batch data is increased, and is easily accessed from any network PC. The existing system has many obsolete components, which makes availability of spare parts difficult and costly.

The update kit is based on standardized components at cost effective prices, reducing trouble shooting and increasing speedy availability of spare parts.

## Benefits

- The HMI system is upgraded to the latest version available
- Systems are aligned from DISA and Windows 3 to Windows 10
- Increased diagnostics ability
- Complexity of system is reduced, simplifying trouble shooting
- Service functions simplified
- Calibration and adjustments easily implemented
- Obsolete parts are updated, ensuring continued service of your SMC device
- Lead time on spare parts is reduced considerably
- Existing documentation for mechanical functions can still be used

Please contact your local DISA Representative and ask for the **PLC Upgrade Kit for SMC**.

Name	Part No.
KIT SMC PLC upgrade S5 to S7	10796320
SMC PRO Upgrade kit With profibus	11141645
SMC PRO Upgrade kit Without profibus	11141646

# PMC Capping Strips for DISAMATIC 2120 and 2130

Capping strips for the DISAMATIC 2120 & 2130 PMC have been developed to allow quick and individual change of strips.

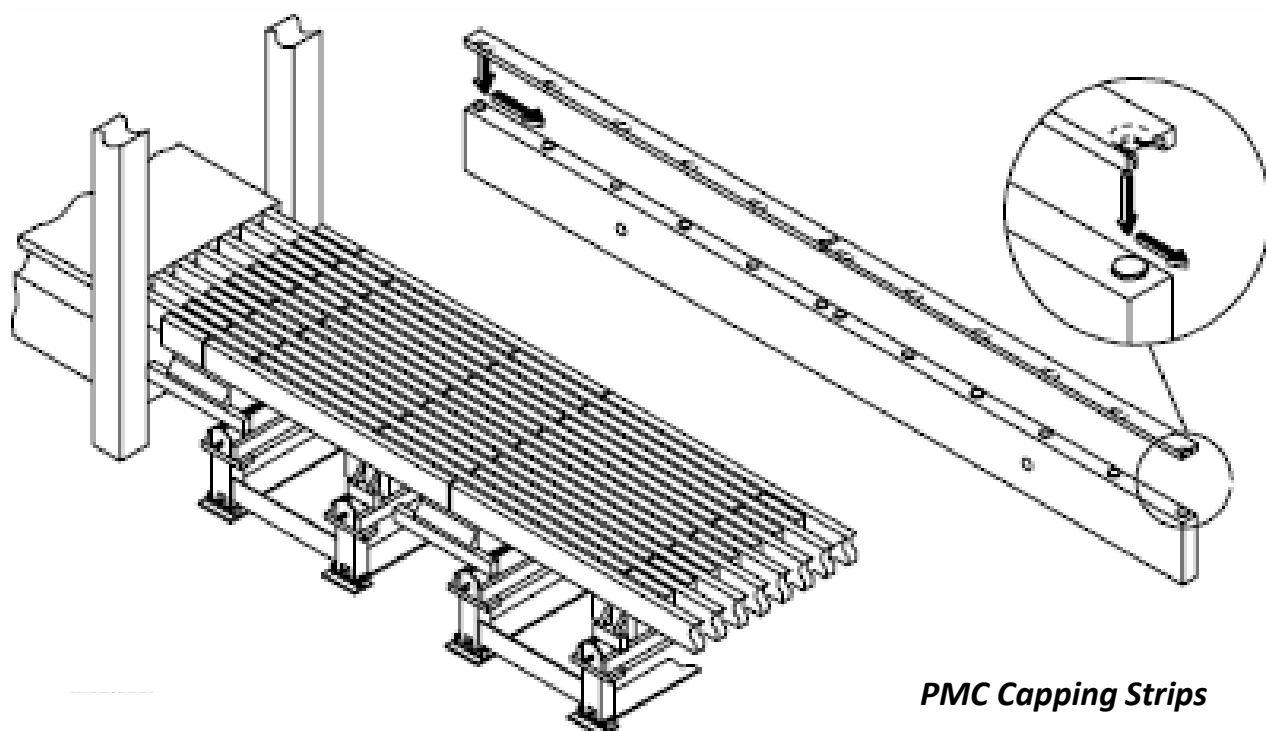
Use capping strips to protect the PMC sections which are worn the most.

**Capping Strips are available in several materials**

- Standard
- Non-corrosive
- Hardened and non-corrosive

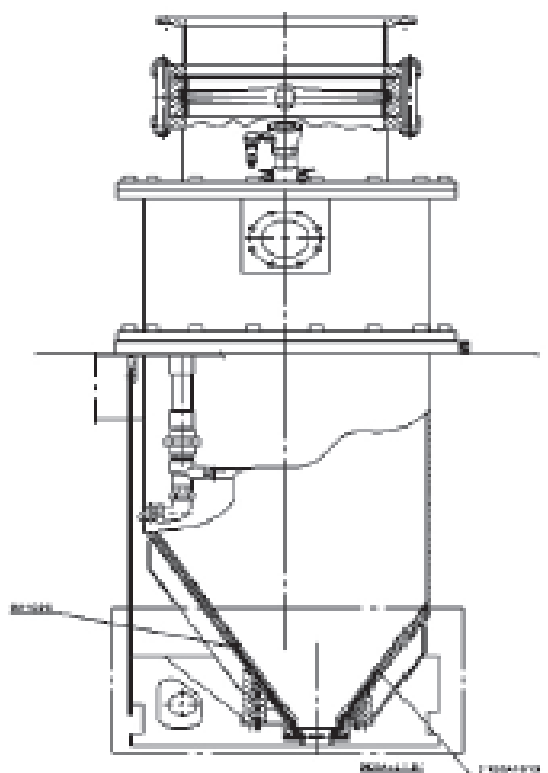
## Advantages

- Service friendly.
- Less sticking problems.
- Quick changing of capping strips.
- Available in several materials.
- The capping strips may be changed and mounted individually.



**PMC Capping Strips**

# Improved Sand Hopper for DISAMATIC 2120 and 2130



EXIST.

In order to improve the lifetime of the DISAMATIC 2120 & 2130 Sand hopper, DISA has developed a sand hopper with increased thickness of the bottom Plates.

Mounting access is from the top in order to facilitate easier replacement of the sand hopper.

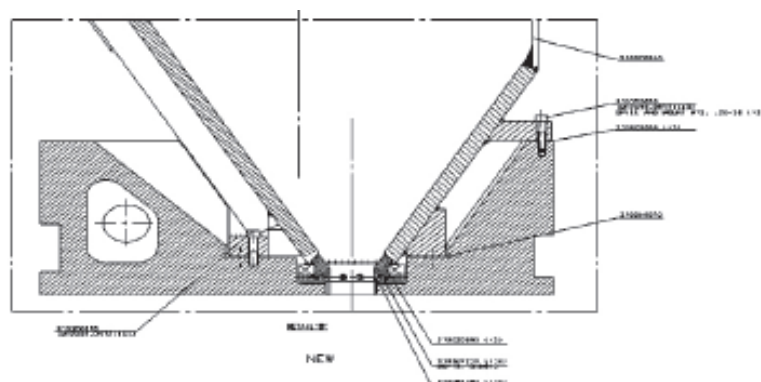
## Advantages

- Longer lifetime
- Reduced service time
- Better sand flow

Please contact your local DISA Representative and ask for item number **2100R5450**

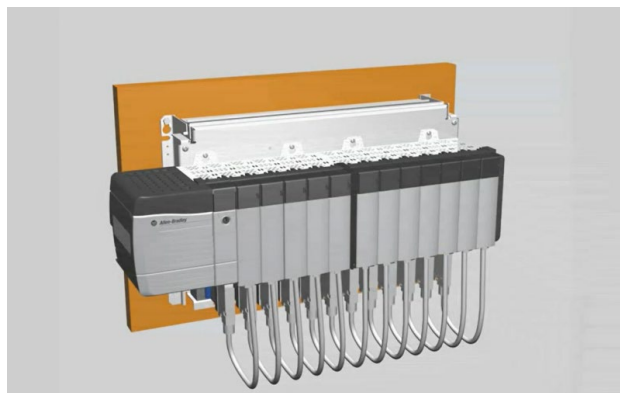
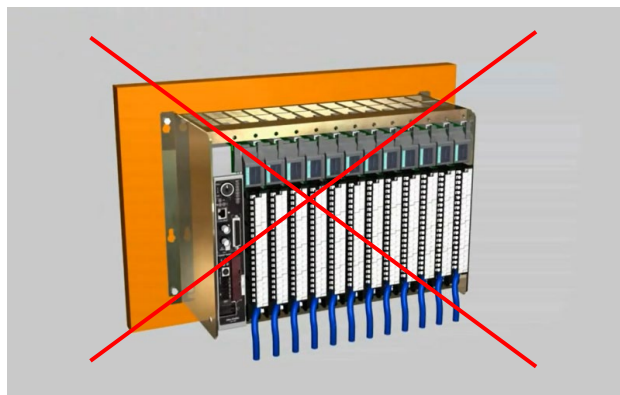
## Please note

This design comes without Aeration Plates.





# New PLC Control for DISAMATIC 2013 MK5



## Extended Lifetime for DISAMATIC 2013 MK5

DISA has developed a kit to replace the obsolete PLC of the DISAMATIC MK5 with a state of the art PLC control system.

## Easy Installation

Installation can be completed during a normal weekend. The existing plug connectors and wiring will be reused preventing any connection error.

## Software converted by one of our experienced DISA Programmers

The software is converted by our experienced programmers ensuring that the machine will work just as well as with the original program.

## Parts Availability

Parts are available with short notice and will be available for many years to come.

## Remote Support

The kit is delivered with VPN router providing safe communication for possible remote support.

## Data Highway replaced by Ethernet

Old data highway may be replaced by modern Ethernet for communication with CIM.

## Optional Add-on

Light curtain kit and forced mode.

The new software includes all standard configurations. Any specific customized solutions are subject to extra costs.

The pattern plate code reader is not supported by this upgrade. The upgrade requires a PC-based VDU. Machines with T30, Versa view must upgrade the VDU.

If the CIM installation is older than Windows 7, Monitizer CIM Upgrade is required.

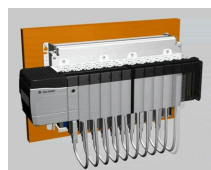
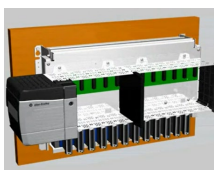
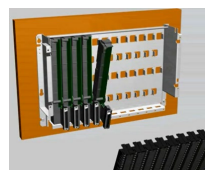
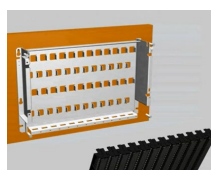
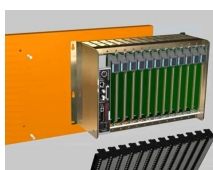
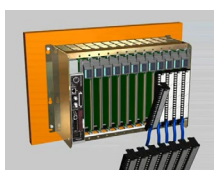
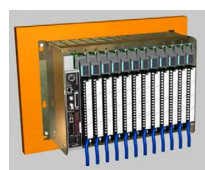
The kit price does not include the cost of installation by our DISA service technician (3 working days, travel and hotel expenses).

## Please note

The price does not include installation. Expect 1 day machine stop.



Copy/paste text to YouTube: PLC-5 replacement by Rockwell Automation Korea



*Spare Parts for the old PLC will not be available for long.*

Please contact your local DISA Representative and ask for item number **10760216**

# PLC Upgrade for DISAMATIC 2110 MK3 and LP



**Update your DISAMATIC 2110 to the latest Standards to obtain several Advantages**

## Increased Capacity

For MK2 & 3 it is possible to increase capacity with up to 15 uncured moulds per hour.

## Upgrade to a Higher Safety Level

In the new PLC, doors and guards are integrated in the safety supervision.

## Easy Maintenance & Troubleshooting

For MK1 & 2, troubleshooting can not be supported due to the relay solution. Upgrade to the PLC solution enables troubleshooting and provides easier daily maintenance.

## New Operator Interface / VDU

Upgraded operator interface with information on VDU and possibility of integrating RMS and CIM.

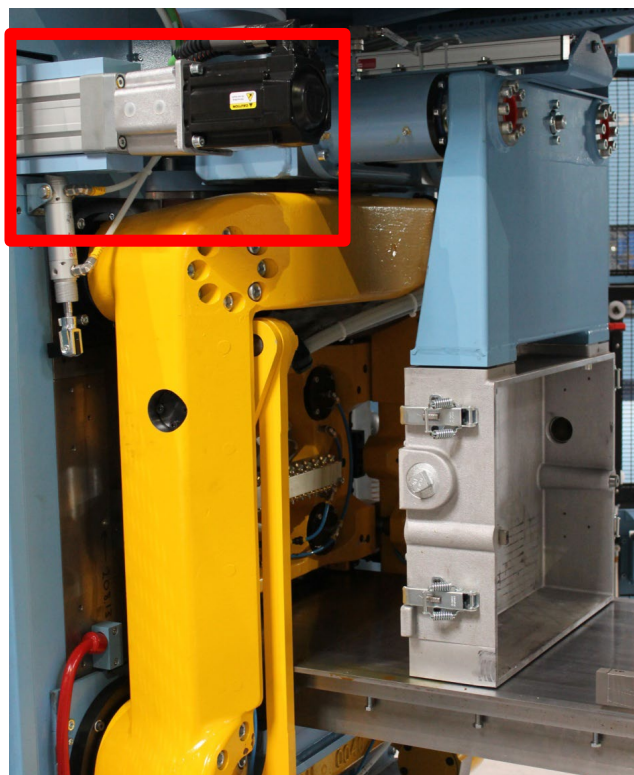
## Speed Control of CSE

Upgrading the CSE from pneumatic to electrical makes it possible to adjust the speed and precision of the CSE.

Please contact your local DISA Representative and ask for the **PLC upgrade for DISAMATIC 2110 MK1 – 3 & LP**

## Please note

*Spare parts for the current MK3 PLC are obsolete.*



## Content of Kit

- Complete Control Cabinet
- New Electrical CSE
- New 24V Relay
- New VDU
- New Software
- New Operator Interface System
- New Safety System
- New Pneumatic System



# Melt Overflow Covers for DISAMATIC 2013 MK3, MK4, MK5, LP, DISA 130, 131, 230 and 231



## The simple and efficient way to stop melt overflow

Melt overflow, over-pours and leakages cover your mould conveyers and thrust bars in iron. They cause mould gaps and mismatches. They make your foundry filthy. Now there's an easy way to stop them.

DISA's new Melt Overflow Cover (MOC) bolts straight onto the sides of your moulding conveyor. The MOC barrier keeps any molten metal where it belongs – safely on top of the mould.

No spills means no more iron-coated thrust bars – and scrap they cause. No damaged equipment. No more stopping to clean up the mess.

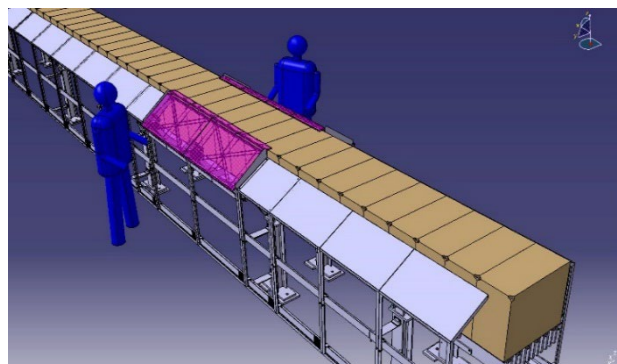
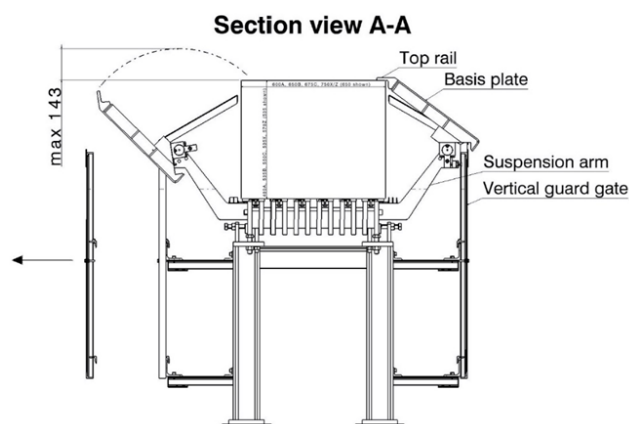
## Facts

- Protects the AMC and moving parts from metal overflow.
- Increases uptime by minimizing unforeseen stops to clean the AMC.
- Quick installation
- 2 meter and 4 meter versions are available

## Advantages

- A clean conveyor for less maintenance
- Improved casting quality
- A safer working environment

Please contact your local DISA Representative and ask for:





# Melt Overflow Covers for DISA 240 and 250



## The simple and efficient way to stop melt overflow

Melt overflow, over-pours and leakages cover your mould conveyers and thrust bars in iron. They cause mould gaps and mismatches. They make your foundry filthy. Now there's an easy way to stop them.

DISA's new Melt Overflow Cover (MOC) bolts straight onto the sides of your moulding conveyor. The MOC barrier keeps any molten metal where it belongs – safely on top of the mould.

No spills means no more iron-coated thrust bars – and scrap they cause. No damaged equipment. No more stopping to clean up the mess.

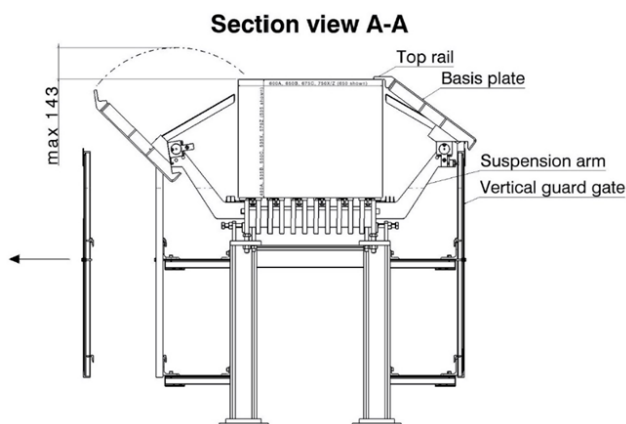
## Facts

- Protects the AMC and moving parts from metal overflow.
- Increases uptime by minimizing unforeseen stops to clean the AMC.
- Quick installation
- 2 meter and 4 meter versions are available

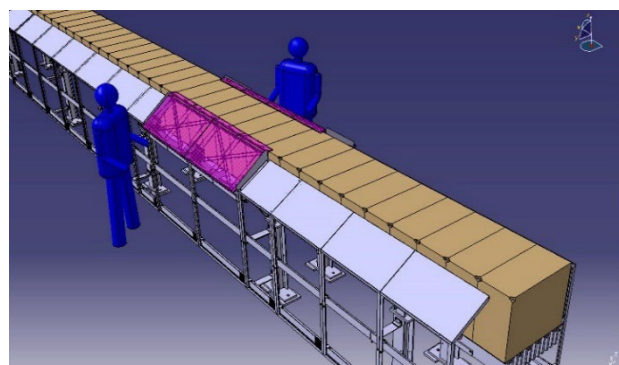
## Advantages

- A clean conveyor for less maintenance
- Improved casting quality
- A safer working environment

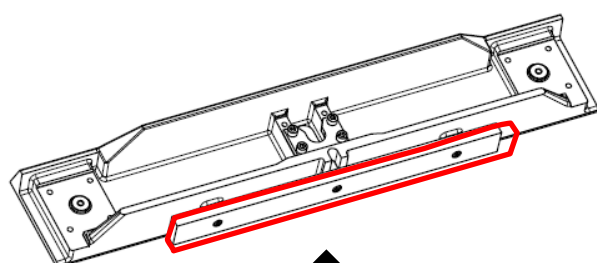
Please contact your local DISA Representative and ask for:



Item Number	Item Name
11332554	MOC KIT 240/250, ABC 2 meter, Assy
11325230	MOC KIT 240/250, ABC 4 meter, Assy



# Upgrade with new, larger and improved Thrust Bars for DISAMATIC 2013 MK3, MK4, MK5 and DISA 230



Replaceable Wear Part



## Improve the Mould Line Transportation by increasing the Thrust Bar with the latest technology.

When DISA introduced the DISA 130 & 231 moulding machine, larger and improved thrust bars were introduced.

- The size of the new thrust bar is increased by 19% compared to the previous version of the DISA 230 thrust bar
- The drive rail can be replaced when worn out, instead of replacing the complete thrust bar thus reducing the maintenance cost
- The position of the thrust bar is lifted with approx. 25 mm, improving support of the critical area of the mould
- The cylinder is replaced with a bigger type, affecting the thrust force to increase using the same operational air pressure
- All thrust bars with liners are prepared for heating elements
- Easy adjustment of thrust bar pressure

It has been proven that the larger cylinder and a larger thrust bar increases the grip friction on the mould string, resulting in a more precise and stable acceleration, transportation and deceleration of the mould line.

For machines running full speed or with a big chamber size, the benefits of using DISA 231 thrust bars will increase significantly compared to the original DISA 230 thrust bars.

## The Advantages increase with the Mould Size

- Increase stability of the mould string
- Reduce the risk of gaps between moulds during transportation
- Reduce maintenance cost
- Reduce the risk of thrust bar sliding on the mould surface

## Variations of Upgrades

All existing solutions for DISA 230 are available in this new kit.

- Solid thrust bars
- Plain steel liners (with or without heating)
- Stainless liners (with or without heating)

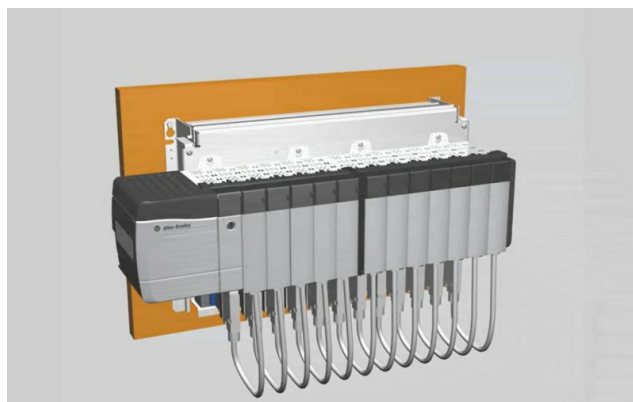
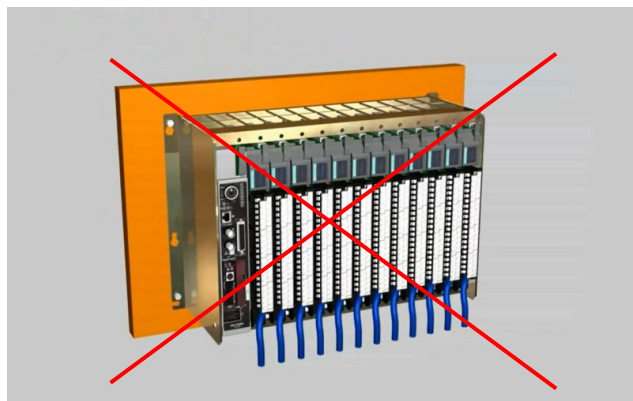
## Requirements

The new thrust bar kit can be installed on DISAMATIC 2013 MK3-5 and DISA 230 if the AMC is with a hydraulic unit.

For machines with Mould Side Support (MSS), DISA will need to check the specific machine configuration to approve if the kit can be installed.

Please contact your local DISA office to require a quotation.

# New PLC Control System for DISA 230



## Extended Lifetime of DISA 230

DISA has developed a kit to replace the obsolete PLC of the DISA 230 with a State of the Art PLC control system.

## Easy Installation

Installation can be completed over the weekend. The existing plug connectors and wiring will be reused preventing any connection error.

## Software converted by one of our experienced DISA Programmers

The software is converted by our experienced programmers, ensuring that the machine will work just as well as with the original program.

## Parts Availability

Parts are available with short notice and will be available for many years to come.

## Remote Support

The kit is delivered with a VPN router providing safe communication for possible remote support.

## Ethernet

The old data highway may be replaced by modern Ethernet for communication with CIM.

## Optional Add-on

The new software will include all standard configurations. Any specific customized solutions are subject to extra cost.

The pattern plate code reader is not supported by this upgrade.

If the CIM installation is older than Windows 7, Monitizer CIM Upgrade is required.

The kit price does not include the cost of installation by DISA service technician (3 working days, travel and hotel expenses).

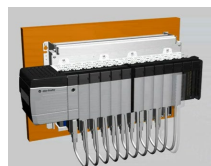
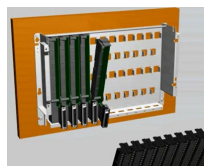
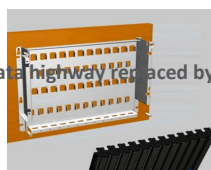
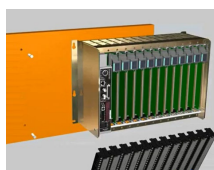
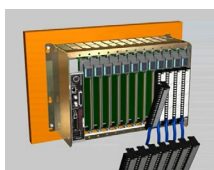
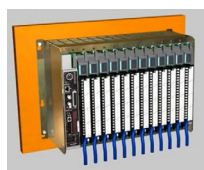
Contact your local DISA Representative and ask for item number **11050067**

## Please note

The price does not include installation.

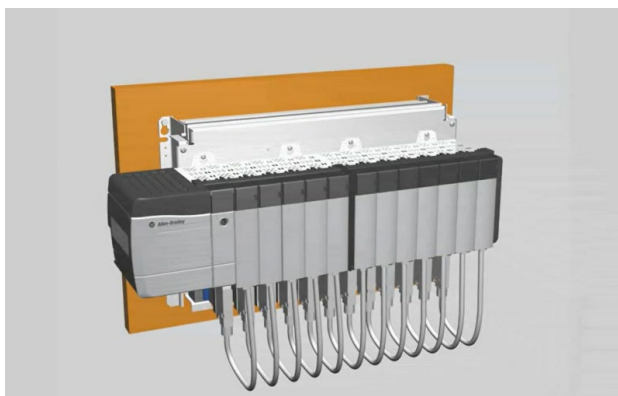
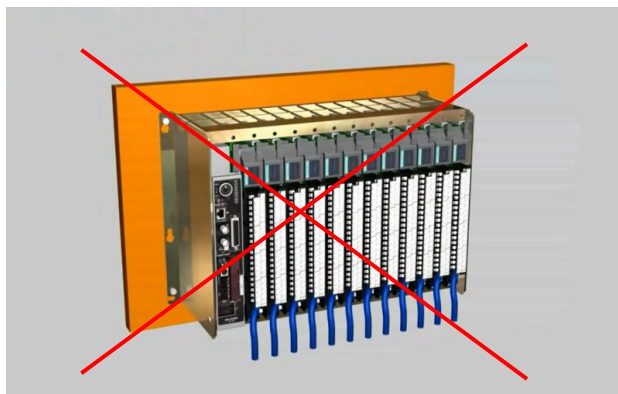
Expect a total of 1 day machine stop and 2-3 days service.

**YouTube** : PLC-5 replacement by Rockwell Automation Korea





# New PLC Control System for DISA 240 and 250



## Extended Lifetime of DISA 240 and 250.

DISA has developed a kit to replace the obsolete PLC with a State of the Art PLC control system.

## Easy Installation

Installation can be completed over the weekend. The existing plug connectors and wiring will be reused preventing any connection error.

## Software converted by one of our experienced DISA Programmers

The software is converted by our experienced programmers, ensuring that the machine will work just as well as with the original program.

## Parts Availability

Parts are available with short notice and will be available for many years to come.

## Remote Support

The kit is delivered with a VPN router providing safe communication for possible remote support.

possible to change PLC/CIM communication to Ethernet. It requires that CIM can run ethernet and has RSLinx version 3.0 or newer.

If replacing the VDU it will also be possible to use ethernet for communication to the VDU.

## Optional Add-on

The new software will include all standard configurations. Any specific customized solutions are subject to extra cost.

## Scope

2 racks of PLC components  
VPN router  
Ethernet switch  
Cables  
Linear transducer (PPC)  
Kit description

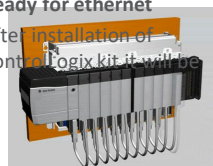
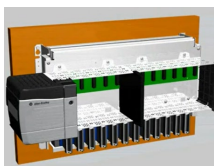
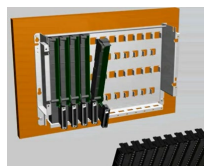
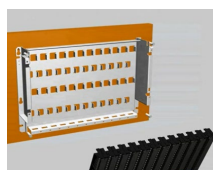
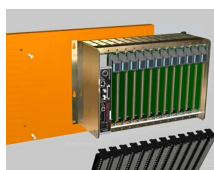
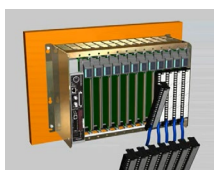
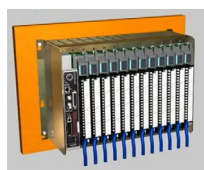
The pattern plate code reader is not supported by this upgrade.

If the CIM installation is older than Windows 7, Monitorizer CIM Upgrade is required.

## Please note

The price does not include installation. Expect a total of 2 days machine stop and 5 days service.

**YouTube** : PLC-5 replacement by Rockwell Automation Korea



## Ready for ethernet

After installation of ControlLogix kit it will be

## The kit is available for Serial Numbers:

DISA 240: 170001-170005,  
170008-170014

DISA 250: 160001-160007,  
160010

# Complete Plant Solutions – Spare Parts

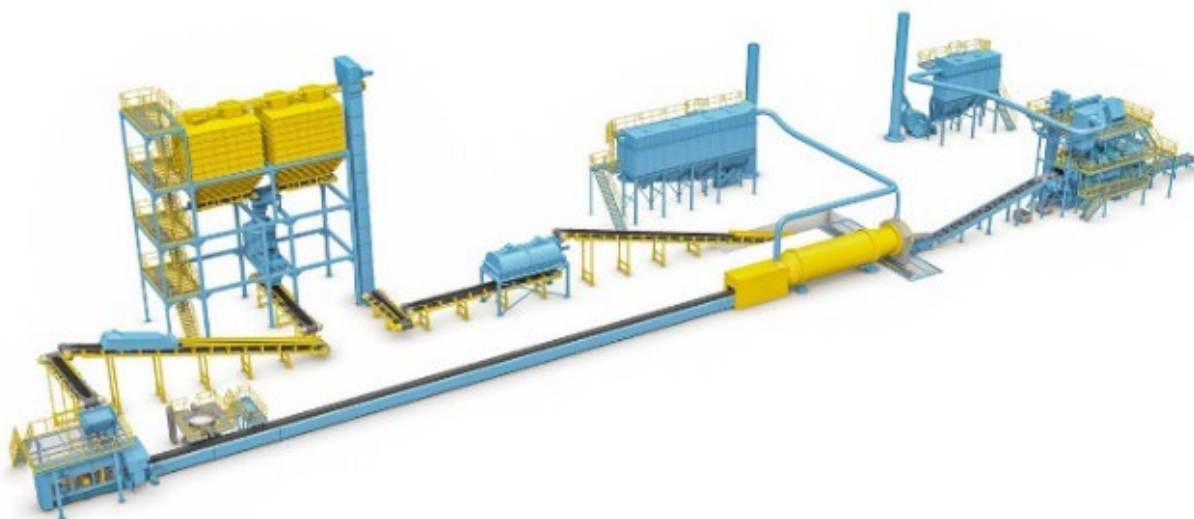
<b>Part Type</b>
<b>Project Name</b>
<b>Project Number</b>
<b>Equipment Type</b>
<b>Equipment Number</b>
<b>DISA Part Number</b>
<b>Drawing Number</b>
<b>Description of Component</b>
<b>Photos</b>

DISA has through many years been a supplier of complete foundry solutions and sand plants. DISA can supply spare parts to all DISA equipment and projects. DISA provides fast and accurate delivery of spare parts and services to our customer.

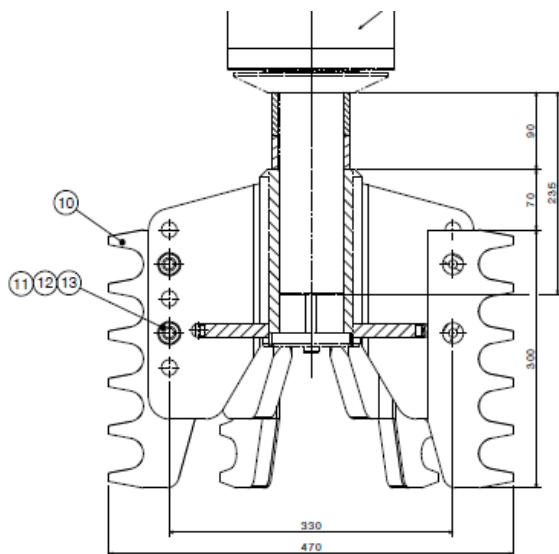
## Advantages:

- Only one supplier/one stop shopping
- One year warranty on all spare parts
- Technical assistance from DISA specialists
- Original manufacturer parts

When ordering spare parts please state the information mentioned in the table.



## Impeller blade kit for TM-190



### What are your challenges?

DISA introduces specially coated impeller blades to obtain longer lifetime of the wear parts.

The picture below shows the blades state after 500 hours of operation and does not show any sign of wear. The specific blades have been in operation more than 1,200 hours and are still in good condition.

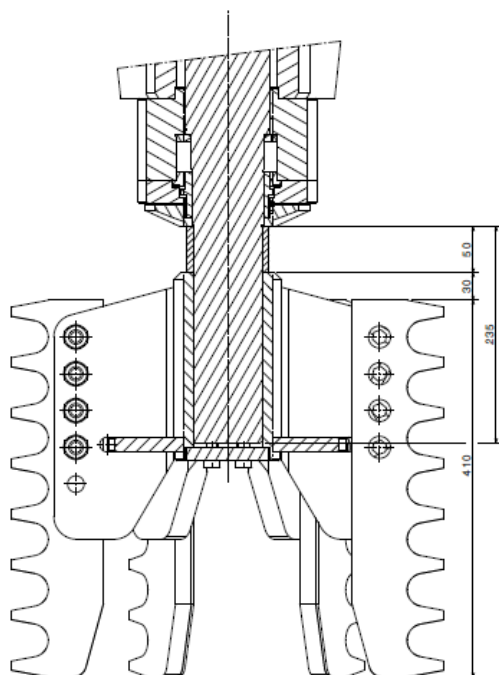
For TM 190 select 1 kit of item number 11391825, which contains 6 impeller blades and the necessary fasteners for installation.

Be aware that it is necessary to replace all 6 blades due to weight differences.



Position	Item number	Item name	Quantity	Unit
10	11390408	Impeller blade	6	pcs.
11	10000961	Screw M16x70/44-12.9 ENISO4762	12	pcs.
12	10099899	Nut M16-10 ZN ISO4032	12	pcs.
13	10023626	Washer 16-FSt ZN DIN127B	12	pcs.

# Impeller blade kit for TM-240 and TM-285



## What are your challenges?

DISA introduces specially coated impeller blades to obtain longer lifetime of the wear parts.

The picture below shows the blades state after 500 hours of operation and does not show any sign of wear. The specific blades have been in operation more than 1,200 hours and are still in good condition.

pieces 11393355

For TM-285/200 select 2

pieces 11393355



Position	Item number	Item name	Quantity	Unit
10	11275939	Impeller blade	6	pcs.
11	10000961	Screw M16x70/44-12.9 ENISO4762	24	pcs.
12	10099899	Nut M16-10 ZN ISO4032	24	pcs.
13	10023626	Washer 16-FSt ZN DIN127B	24	pcs.

# Increase capacity of DISAMATIC D3-365 and D3-425



**Increase the Capacity of your DISA D3-365 or D3-425**

This upgrade kit comes in 3 versions

From 365 to 425, +16%

From 365 to 555, +52%

From 425 to 555, +30%

**Benefits:**

- 16% - 52% increased capacity
- Fast installation – only 2 days production stop
- 1 year warranty on replaced parts

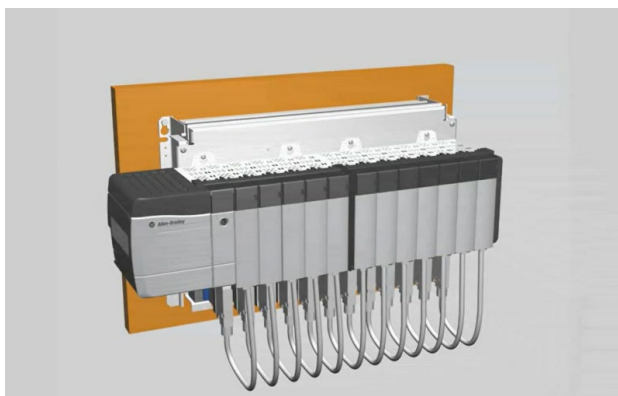
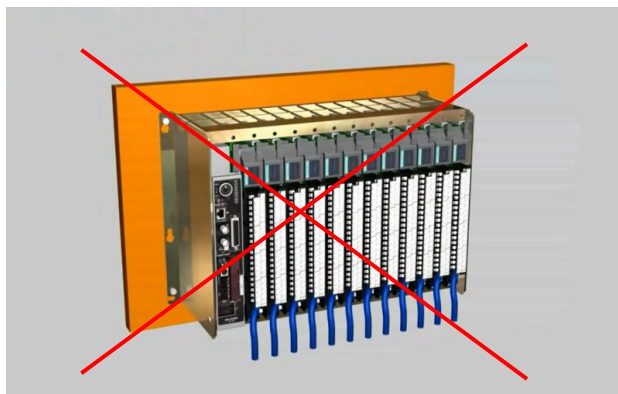
Contact your local DISA Representative and ask for:

**11455509  
D3-365-425-555  
Upgrade KIT**

Mould Pitch	Un-cored Moulds			Cored Moulds*		
in mm	D3-A,B,C-365	D3-A,B,C-425	D3-A,B,C-555	D3-A,B,C-365	D3-A,B,C-425	D3-A,B,C-555
150	365	425	555	333	380	485
200	365	425	555	333	380	485
250	345	405	520	315	370	470
300	330	385	495	305	360	460
350	315	370	470	300	350	445
400	300	350	450	285	340	440
Mould Pitch	Un-cored Moulds			Cored Moulds*		
in mm	D3-X,Z-365	D3-X,Z-425	D3-X,Z-555	D3-X,Z-365	D3-X,Z-425	D3-X,Z-555
150	365	425	555	333	380	485
200	365	425	555	333	380	485
250	345	405	520	320	370	460
300	325	385	495	310	360	450
350	310	365	465	300	350	440
400	290	345	445	285	340	430



# New PLC Control System for DISAMATIC 2070 Mk2



## Extended Lifetime of DISAMATIC 2070 Mk2.

DISA has developed a kit to replace the obsolete PLC with a State of the Art PLC control system.

## Easy Installation

Installation can be completed over the weekend. The existing plug connectors and wiring will be reused preventing any connection error.

## Software converted by one of our experienced DISA Programmers

The software is converted by our experienced programmers, ensuring that the machine will work just as well as with the original program.

## Parts Availability

Parts are available with short notice and will be available for many years to come.

## Remote Support

The kit is delivered with a VPN router providing safe communication for possible remote support.

## Ready for ethernet

After installation of ControlLogix kit it will be possible to change PLC/CIM communication to Ethernet. It requires that CIM can run ethernet and has RSLinx version 3.0 or newer.

## Optional Add-on

The new software will include all standard configurations. Any specific customized solutions are subject to extra cost.

## Scope

2 racks of PLC components  
VPN router  
Ethernet switch  
Cables  
Kit description

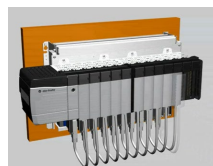
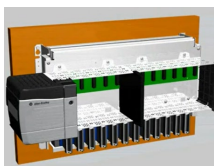
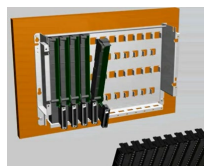
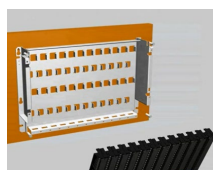
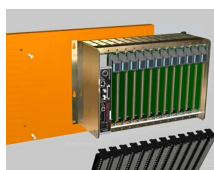
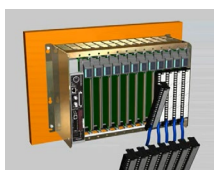
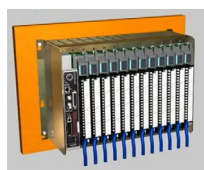
The pattern plate code reader is not supported by this upgrade.

## Please note

The price does not include installation. Expect a total of 2 days machine stop and 5 days service.

If the CIM installation is older than Windows 7, Monitorizer CIM Upgrade is required.

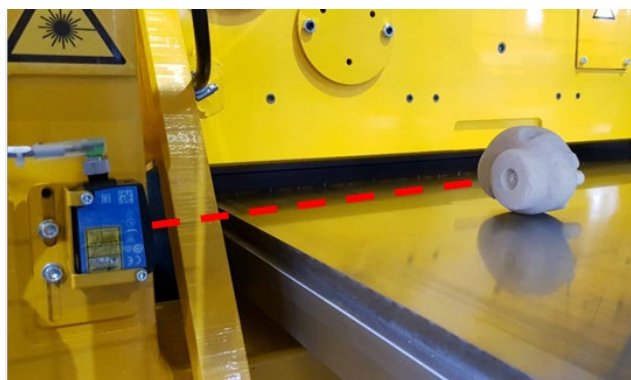
**YouTube** : PLC-5 replacement by Rockwell Automation Korea



## The kit is available for Serial Numbers:

DISAMATIC 2070 Mk2: 200020-  
200028 and 3061-3074

# New and improved sensor for objects on the bottom plate DISA 130/131/230/231 and D3



## New solution now available

New and improved bottom plate laser sensor has been implemented on the DISAMATIC D3 and D5. It has proved to be a very reliable and robust solution.

Kits have now been made available for all earlier D3 machines as well as DISA 130/131/230/231.

## Facts

- The new sensor will detect dropped cores and sand pieces broken of the mould and ending up on the bottom plate
- The sensor comes preadjusted to the machine chamber size
- New bottom plate laser sensor is more robust and more stabile
- Easy mechanical and electrical installation
- True scanning of objects without any false detections

## Advantages

- Detection of dropped cores
- Avoid mould gaps, metal run-out
- Avoid SP pattern plate hitting the chamber top

Please contact your local DISA Representative and ask for:

Available for machines SN 140001-150244

Item ID	Description
11213576	Kit - Bottom plate sensor - Size A
11213581	Kit - Bottom plate sensor - Size B
11213594	Kit - Bottom plate sensor - Size C
11213595	Kit - Bottom plate sensor - Size X/Y

# New and improved sensor for objects on the bottom plate DISA 240/250



## New solution now available

New and improved bottom plate laser sensor has been implemented on the DISAMATIC D3 and D5. It has proved to be a very reliable and robust solution.

Kits have now been made available for DISA 240 and 250.

## Facts

- The new sensor will detect dropped cores and sand pieces broken of the mould and ending up on the bottom plate
- The sensor comes preadjusted to the machine chamber size
- New bottom plate sensor is more robust and more stabile
- Easy mechanical and electrical installation
- True scanning of objects without any false detections

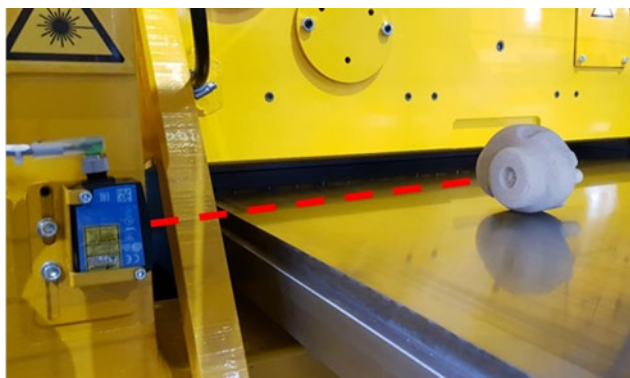
## Advantages

- Detection of dropped cores
- Avoid mould gaps, metal run-out
- Avoid SP pattern plate hitting the chamber top

Please contact your local DISA Representative and ask for:

Item ID	Description
11331167	Kit - Bottom plate sensor – 240, Size A
11331181	Kit - Bottom plate sensor – 240, Size B
11331186	Kit - Bottom plate sensor – 240/250, Size C

# New and improved sensor for objects on the bottom plate DISA 270



## New solution now available

New and improved bottom plate laser sensor has been implemented on the DISAMATIC D3 and D5. It has proved to be a very reliable and robust solution.

Kits have now been made available for DISA 270.

## Facts

- The new sensor will detect dropped cores and sand pieces broken of the mould and ending up on the bottom plate
- The sensor comes preadjusted to the machine chamber size
- New bottom plate sensor is more robust and more stabile
- Easy mechanical and electrical installation
- True scanning of objects without any false detections

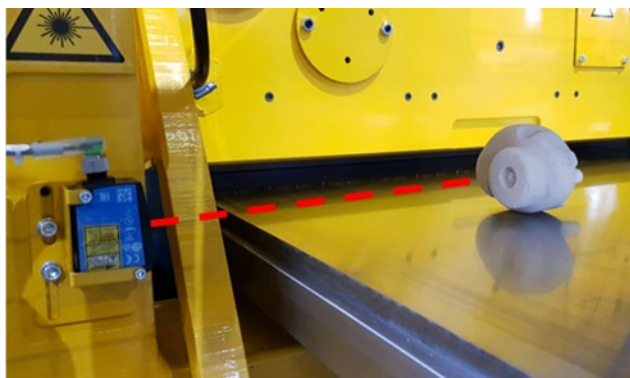
## Advantages

- Detection of dropped cores
- Avoid mould gaps, metal run-out
- Avoid SP pattern plate hitting the chamber top

Please contact your local DISA Representative and ask for:

Item ID	Description
11331171	Kit - Bottom plate sensor – 270, Size A/B
11331188	Kit - Bottom plate sensor – 270, Size C

# New and improved sensor for objects on the bottom plate DISA 280



## New solution now available

New and improved bottom plate laser sensor has been implemented on the DISAMATIC D3 and D5. It has proved to be a very reliable and robust solution.

Kits have now been made available for DISA 280.

## Facts

- The new sensor will detect dropped cores and sand pieces broken of the mould and ending up on the bottom plate
- The sensor comes preadjusted to the machine chamber size
- New bottom plate sensor is more robust and more stabile
- Easy mechanical and electrical installation
- True scanning of objects without any false detections

## Advantages

- Detection of dropped cores
- Avoid mould gaps, metal run-out
- Avoid SP pattern plate hitting the chamber top

Please contact your local DISA Representative and ask for:

Item ID	Description
11331184	Kit - Bottom plate sensor - 280, Size B/C



# Flasks for horizontal moulding line



Whether you need a few flasks for spare or a full replacement, DISA offers new casted flasks at competitive prices

## Features

- Flasks produced to match the customer drawings and specification
- Casted flasks

## Benefits

- Avoid unwanted on-site modifications
- Higher reliability
- Improved mould and casting quality
- Lower maintenance cost on the line

## How to Proceed:

- Drawings of existing flasks
- Quantity of flasks
- Contact your local Norican representative



Cooling line

# Mould Side Supports for DISAMATIC D1 & 2110



## Features

The DISAMATIC Mould Side Supports (MSS) are an accessory to the DISAMATIC D1 Automatic Mould Conveyor (AMC).

The MSS are pneumatically operated and designed to perform a constant and adjustable force on the mould sides. The activating force is centrally adjusted from the operator's panel on the moulding machine (DMM).

## Benefits

DISAMATIC D1 MSS supports the sand moulds in the pouring zone of the AMC to obtain

- more utilisation of the moulding area as well as
- increased castings accuracy.

## Type of Machine

DISAMATIC 2110

DISAMATIC D1

## Part No.

2112R0240

2112R0240

# AMC Capping Strips Package 6m for DISAMATIC 2013 MK3, MK4 & MK5 A



The mounted T-bolts allow a smooth assembly of strips onto the slide way. If one or more capping strips need changing the DISA patented solution allows a fast and smooth change from worn to new.

## 4 Reasons to install the Capping Strips Package

- Reduction of sand sticking
- Quick and simple installation
- Accessories to perform quick installation
- Attractive package price

Depending on your requirements DISA can provide capping strips in following material:

- 3 m cold rolled steel/non hardened stainless steel. Provides increased friction to your moulds and lessens the risk of mould gapping and metal run out.
- 6 m hardened stainless steel: Extends the lifetime of your slide way and reduces build up of corrosion on your AMC.

## Accessories

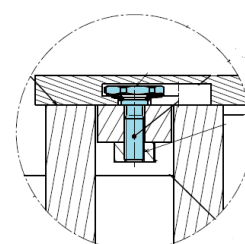
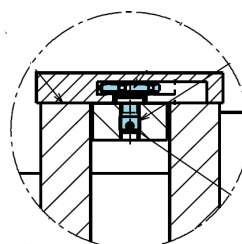
Zink paste to eliminate corrosion between war rail and capping strip. Order T-bolts for installation.

Part Name	Part No.	Qty	Item No.
<b>DISAMATIC 2013 MK 3-5 A</b>			
6m hardened stainless steel	2052R0810	36	2052B2380
<b>Other capping strip kits</b>			
3m non hardened stainless steel	2052R1840	18	2052B3050
3m cold rolled steel	2052R1810	18	2052B3070

## Additional Items – not included in the above kits

T-bolt classic version	2072B2850	216	Qty for 6m section
Zink paste	3800A0014	1	Protection against corrosion
T-bolt long – D3 version	10741478	216	Qty for 6m section
Nut for T-bolt long	10751886	216	

Please contact your local DISA Representative and ask for the part specified for your Machine Type as indicated in the table below.



# AMC Capping Strips Package 6m for DISA 230 A



The mounted T-bolts allow a smooth assembly of strips onto the slide way. If one or more capping strips need changing the DISA patented solution allows a fast and smooth change from worn to new.

## 4 Reasons to install the Capping Strips Package

- Reduction of sand sticking
- Quick and simple installation
- Accessories to perform quick installation
- Attractive package price

Depending on your requirements DISA can provide capping strips in following material:

- 3 m cold rolled steel/non hardened stainless steel. Provides increased friction to your moulds and lessens the risk of mould gapping and metal run out.
- 6 m hardened stainless steel: Extends the lifetime of your slide way and reduces build up of corrosion on your AMC.

## Accessories

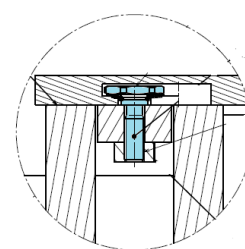
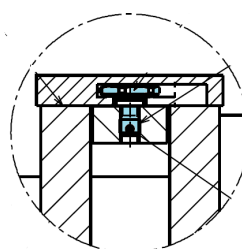
Zink paste to eliminate corrosion between war rail and capping strip. Order T-bolts for installation.

Please contact your local DISA Representative and ask for the part specified for your Machine Type as indicated in the table below.

Part Name	Part No.	Qty	Item No.
<b>DISA 230 A</b>			
6m hardened stainless steel	2052R0810	36	2052B2380
For outlet section #150069-	11760205	30	2052B2380
		5	2442B3380
		1	2442B3770
<b>Other capping strip kits</b>			
3m non hardened stainless steel	2052R1840	18	2052B3050
3m cold rolled steel	2052R1810	18	2052B3070

## Additional Items – not included in the above kits

T-bolt - Classic version	2072B2850	216	Qty for 6m section
Zink paste	3800A0014	1	Protection against corrosion
T- bolt long – D3 version	10741478	216	Qty for 6m section
Nut for T-bolt long	10751886	216	





# AMC Capping Strips Package 6m for DISA 130, 131, 231 & DISAMATIC D3 A



The mounted T-bolts allow a smooth assembly of strips onto the slide way. If one or more capping strips need changing the DISA patented solution allows a fast and smooth change from worn to new.

## 4 Reasons to install the Capping Strips Package

- Reduction of sand sticking
- Quick and simple installation
- Accessories to perform quick installation
- Attractive package price

Depending on your requirements DISA can provide capping strips in following material:

- 3 m cold rolled steel/non hardened stainless steel. Provides increased friction to your moulds and lessens the risk of mould gapping and metal run out.
- 6 m hardened stainless steel: Extends the lifetime of your slide way and reduces build up of corrosion on your AMC.

## Accessories

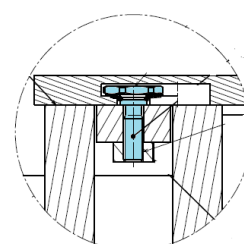
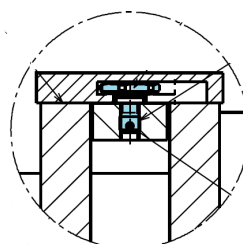
Zink paste to eliminate corrosion between war rail and capping strip. Order T-bolts for installation.

Please contact your local DISA Representative and ask for the part specified for your Machine Type as indicated in the table below.

Part Name	Part No.	Qty	Item No.
<b>DISA 130/131/231 A DISAMATIC D3 A</b>			
6m hardened stainless steel	2052R0810	36	2052B2380
For outlet section	11760208	30	2052B2380
		6	2442B3380
<b>Other capping strip kits</b>			
3m non hardened stainless steel	2052R1840	18	2052B3050
3m cold rolled steel	2052R1810	18	2052B3070

## Additional Items – not included in the above kits

T-bolt Classic version	2072B2850	216	Qty for 6m section
Zink paste	3800A0014	1	Protection against corrosion
T-bolt long – D3 version	10741478	216	Qty for 6m version
Nut for T-bolt long	10751886	216	



# AMC Capping Strips Package 6m for DISAMATIC 2013 MK4 B & MK5 B



The mounted T-bolts allow a smooth assembly of strips onto the slide way. If one or more capping strips need changing the DISA patented solution allows a fast and smooth change from worn to new.

## 4 Reasons to install the Capping Strips Package

- Reduction of sand sticking.
- Quick and simple installation.
- Accessories to perform quick installation.
- Attractive package price.

Depending on your requirements DISA can provide capping strips in following material:

- 3 m cold rolled steel/non hardened stainless steel. Provides increased friction to your moulds and lessens the risk of mould gapping and metal run out.
- 6 m hardened stainless steel: Extends the lifetime of your slide way and reduces build up of corrosion on your AMC.

## Accessories

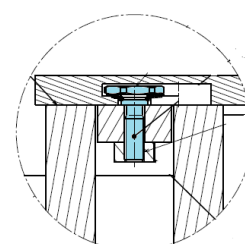
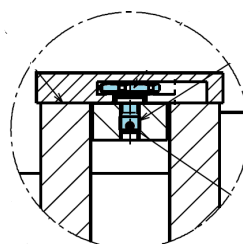
Zink paste to eliminate corrosion between war rail and capping strip. Order T-bolts for installation.

Please contact your local DISA Representative and ask for the part specified for your Machine Type as indicated in the table below.

Part Name	Part No.	Qty	Item No.
2013 MK 4-5 B			
6m hardened staines steel	2052R0820	24	2052B2380
		12	2052B2390
Other capping strip kits			
3m non hardened stainless steel	2052R1850	12	2052B3050
		6	2052B3060
3m cold rolled steel	2052R1820	12	2052B3070
		6	2052B3080

## Additional Items – not included in the above kits

T-bolt – Classic version	2072B2850	216	Qty for 6m section
Zink paste	3800A0014	1	Protection against corrosion
T- bolt long – D3 version	10741478	216	Qty for 6m section
Nut for T-bolt long	10751886	216	





# AMC Capping Strips Package 6m for DISA 130, 131, 230, 231 & DISAMATIC D3 B



The mounted T-bolts allow a smooth assembly of strips onto the slide way. If one or more capping strips need changing the DISA patented solution allows a fast and smooth change from worn to new.

## 4 Reasons to install the Capping Strips Package

- Reduction of sand sticking.
- Quick and simple installation.
- Accessories to perform quick installation.
- Attractive package price.

Depending on your requirements DISA can provide capping strips in following material:

- 3 m cold rolled steel/non hardened stainless steel. Provides increased friction to your moulds and lessens the risk of mould gapping and metal run out.
- 6 m hardened stainless steel: Extends the lifetime of your slide way and reduces build up of corrosion on your AMC.

## Accessories

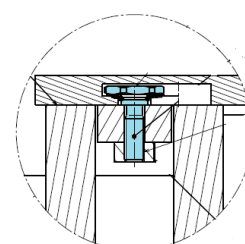
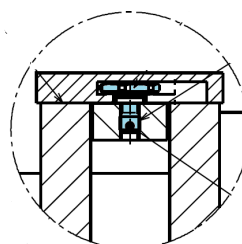
Zink paste to eliminate corrosion between war rail and capping strip. Order T-bolts for installation.

Please contact your local DISA Representative and ask for the part specified for your Machine Type as indicated in the table below.

Part Name	Part No.	Qty	Item No.
DISA 130/131/230/231 B			
DISAMATIC D3 B			
6m hardened stainless steel	2052R0820	24	2052B2380
		12	2052B2390
6m for outlet section #150069-	11760212	20	2052B2380
		10	2052B2390
		1	2442B3360
		1	2442B3370
		4	2442B3380
Other capping strip kits			
3m non hardened stainless steel	2052R1850	12	2052B3050
		6	2052B3060
3m cold rolled steel	2052R1820	12	2052B3070
		6	2052B3080

## Additional Items – not included in the above kits

T-bolt Classic version	2072B2850	216	Qty for 6m section
Zink paste	3800A0014	1	Protection against corrosion
T-bolt long - D3 version	10741478	216	Qty for 6m section
Nut for T-bolt long	10751886	216	



# AMC Capping Strips Package 6m for DISA 130, 131, 230, 231 & DISAMATIC D3 C



The mounted T-bolts allow a smooth assembly of strips onto the slide way. If one or more capping strips need changing the DISA patented solution allows a fast and smooth change from worn to new.

## 4 Reasons to install the Capping Strips Package

- Reduction of sand sticking
- Quick and simple installation
- Accessories to perform quick installation
- Attractive package price

## Accessories

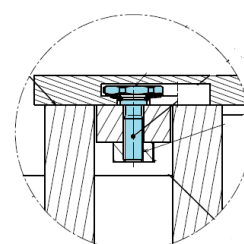
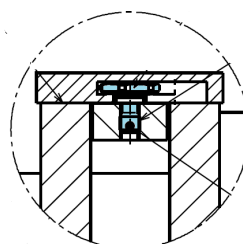
Zink paste to eliminate corrosion between war rail and capping strip. Order T-bolts for installation.

Please contact your local DISA Representative and ask for the part specified for your Machine Type as indicated in the table below.

Part Name	Part No.	Qty	Item No.
<b>DISA 130/131/230/231 C</b>			
<b>DISAMATIC D3 C</b>			
6m hardened stainless steel	2442R0740	24	2052B2380
		12	2442B2380
6m for outlet section #150069-	11760214	20	2052B2380
		10	2442B2380
		4	2442B3380
		1	2442B3720
		1	2442B3730

## Additional Items – not included in the above kits

T-bolt Classic version	2072B2850	216	Qty for 6m section
Zink paste	3800A0014	1	Protection against corrosion
T- bolt long D3 version	10741478	216	Qty for 6m section
Nut for T-bolt long	10751886	216	



# AMC Capping Strips Package 6m for DISAMATIC 2013 MK5 X



The mounted T-bolts allow a smooth assembly of strips onto the slide way. If one or more capping strips need changing the DISA patented solution allows a fast and smooth change from worn to new.

## 4 Reasons to install the Capping Strips Package

- Reduction of sand sticking.
- Quick and simple installation.
- Accessories to perform quick installation
- Attractive package price

Depending on your requirements DISA can provide capping strips in following material:

- 3 m cold rolled steel/non hardened stainless steel. Provides increased friction to your moulds and lessens the risk of mould gapping and metal run out.
- 6 m hardened stainless steel: Extends the lifetime of your slide way and reduces build up of corrosion on your AMC.

## Accessories

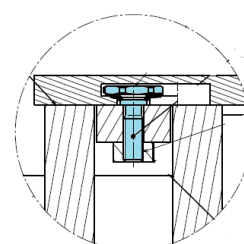
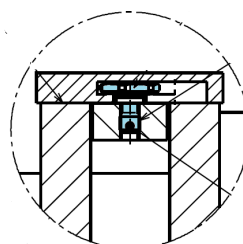
Zink paste to eliminate corrosion between war rail and capping strip. Order T-bolts for installation.

Please contact your local DISA Representative and ask for the part specified for your Machine Type as indicated in the table below.

Part Name	Part No.	Qty	Item No.
<b>2013 MK5 X</b>			
6m hardened stainless steel	2052R0830	30	2052B2380
		12	2052B2390
<b>Other capping strip kits</b>			
3m non hardened stainless steel	2052R1860	15	2052B3050
		6	2052B3060
3m cold rolled steel	2052R1830	15	2052B3070
		6	2052B3080

## Additional Items – not included in the above kits

T-bolt Classic version	2072B2850	252	Qty for 6m section
Zink paste	3800A0014	1	Protection against corrosion
T- bolt long - D3 version	10741478	252	Qty for 6m section
Nut for T-bolt long	10751886	252	



# AMC Capping Strips Package 6m for DISA 130, 131, 230, 231 & DISAMATIC D3 X and Z



The mounted T-bolts allow a smooth assembly of strips onto the slide way. If one or more capping strips need changing the DISA patented solution allows a fast and smooth change from worn to new.

## 4 Reasons to install the Capping Strips Package

- Reduction of sand sticking.
- Quick and simple installation.
- Accessories to perform quick installation
- Attractive package price

Depending on your requirements DISA can provide capping strips in following material:

- 3 m cold rolled steel/non hardened stainless steel. Provides increased friction to your moulds and lessens the risk of mould gapping and metal run out.
- 6 m hardened stainless steel: Extends the lifetime of your slide way and reduces build up of corrosion on your AMC.

## Accessories

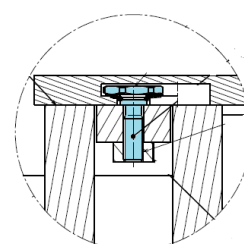
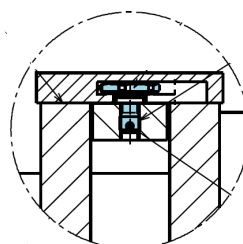
Zink paste to eliminate corrosion between war rail and capping strip. Order T-bolts for installation.

Please contact your local DISA Representative and ask for the part specified for your Machine Type as indicated in the table below.

Part Name	Part No.	Qty	Item No.
<b>DISA 130/131/230/231 X &amp; Z DISAMATIC D3 X &amp; Z</b>			
6m hardened stainless steel	2052R0830	30	2052B2380
		12	2052B2390
Outlet section #150069-	11760215	25	2052B2380
		10	2052B2390
		1	2442B3360
		1	2442B3370
		5	2442B3380
<b>Other cappingstrip kits</b>			
3m non hardened stainless steel	2052R1860	15	2052B3050
		6	2052B3060
3m cold rolled steel	2052R1830	15	2052B3070
		6	2052B3080

## Additional Items – not included in the above kits

T-bolt – Classic version	2072B2850	252	Qty for 6m section
Zink paste	3800A0014	1	Protection against corrosion
T- bolt long - D3 version	10741478	252	Qty for 6m section
Nut for T-bolt long	10751886	252	



# AMC Capping Strips Package 6m for DISA 240 A



The mounted T-bolts allow a smooth assembly of strips onto the slide way. If one or more capping strips need changing the DISA patented solution allows a fast and smooth change from worn to new.

## 4 Reasons to install the Capping Strips Package

- Reduction of sand sticking.
- Quick and simple installation.
- Accessories to perform quick installation
- Attractive package price

Depending on your requirements DISA can provide capping strips in following material:

- 3 m cold rolled steel/non hardened stainless steel. Provides increased friction to your moulds and lessens the risk of mould gapping and metal run out.
- 6 m hardened stainless steel: Extends the lifetime of your slide way and reduces build up of corrosion on your AMC.

## Accessories

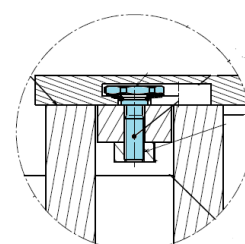
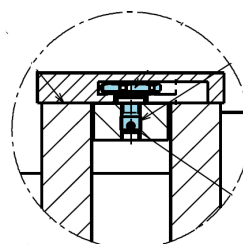
Zink paste to eliminate corrosion between war rail and capping strip. Order T-bolts for installation.

Please contact your local DISA Representative and ask for the part specified for your Machine Type as indicated in the table below.

Part Name	Part No.	Qty	Item No.
<b>DISA 240 A</b>			
6m hardened stainless steel	2052R0830	30	2052B2380
		12	2052B2390
Outlet section	11760215	25	2052B2380
		10	2052B2390
		1	2442B3360
		1	2442B3370
		5	2442B3380
<b>Other cappingstrip kits</b>			
3m non hardened stainless steel	2052R1860	15	2052B3050
		6	2052B3060
3m cold rolled steel	2052R1830	15	2052B3070
		6	2052B3080

## Additional Items – not included in the above kits

T-bolt Classic version	2072B2850	252	Qty for 6m section
Zink paste	3800A0014	1	Protection against corrosion
T- bolt long D5 version	10741478	252	Qty for 6m section
Nut for T-bolt long	10751886	252	





# AMC Capping Strips Package 6m for DISA 240 B & DISAMATIC D5 B



The mounted T-bolts allow a smooth assembly of strips onto the slide way. If one or more capping strips need changing the DISA patented solution allows a fast and smooth change from worn to new.

## 4 Reasons to install the Capping Strips Package

- Reduction of sand sticking.
- Quick and simple installation.
- Accessories to perform quick installation
- Attractive package price

## Accessories

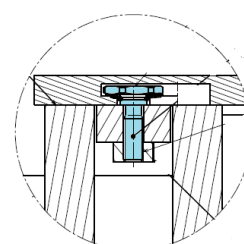
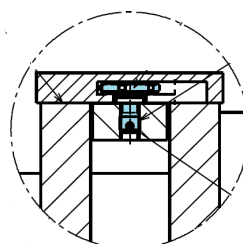
Zink paste to eliminate corrosion between war rail and capping strip. Order T-bolts for installation.

Please contact your local DISA Representative and ask for the part specified for your Machine Type as indicated in the table below.

Part Name	Part No.	Qty	Item No.
<b>DISA 240 B</b>			
<b>DISAMATIC D5 B</b>			
6m hardened stainless steel	11749642	30	2052B2380
		12	2442B2380
Outlet section	11749644	25	2052B2380
		10	2442B2380
		1	2442B3720
		1	2442B3730
		5	2442B3380

## Additional Items – not included in the above kits

T-bolt Classic version	2072B2850	252	Qty for 6m section
Zink paste	3800A0014	1	Protection against corrosion
T- bolt long D5 version	10741478	252	Qty for 6m section
Nut for T-bolt long	10751886	252	



# AMC Capping Strips Package 6m for DISA 240, 250 C & DISAMATIC D5 C/Z



The mounted T-bolts allow a smooth assembly of strips onto the slide way. If one or more capping strips need changing the DISA patented solution allows a fast and smooth change from worn to new.

## 4 Reasons to install the Capping Strips Package

- Reduction of sand sticking.
- Quick and simple installation.
- Accessories to perform quick installation
- Attractive package price

## Accessories

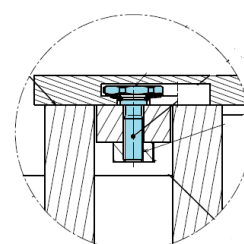
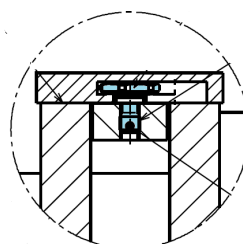
Zink paste to eliminate corrosion between war rail and capping strip. Order T-bolts for installation.

Please contact your local DISA Representative and ask for the part specified for your Machine Type as indicated in the table below.

Part Name	Part No.	Qty	Item No.
<b>DISA 240/250 C DISAMATIC D5 C/Z</b>			
6m hardened stainless steel	11749646	36	2052B2380
		12	2052B2390
Outlet section	11749648	30	2052B2380
		10	2052B2390
		1	2442B3360
		1	2442B3370
		6	2442B3380

## Additional Items – not included in the above kits

T-bolt	2072B2850	252	Qty for 6m section
Zink paste	3800A0014	1	Protection against corrosion
T-bolt long – D5 version	10741478	252	Qty for 6m section
Nut for T-bolt long	10751886	252	



# DISA MATCH 24/28 DMM and AMH Speed Up Kit from 120 mph to 150 mph



Up to  
**+20%**  
cored jobs  
(+DMM)

Up to  
**+25%**  
uncored jobs  
(+AMH)

The DISA MATCH DMM and AMH Speed Up Kit gives you the opportunity to increase your efficiency and capacity

## DMM 150

The DMM 150 Speed Up Kit reduces the cycle time with 6 sec. allowing more time for manual core setting or increases output with 20 mph on cored jobs.

## DMM 150 and AMH 150

Installing the DMM 150 and AMH 150 reduce the cycle time with 6 sec. increasing output with 30 moulds for uncured jobs.

## Benefits of Speed Up Kit

- Increases output with 20% on cored jobs
- Increases output with 25% on uncured jobs
- Safety is upgraded to latest CE standard
- Increases the production line capacity and provides you with the lowest cost per casting

## Scope of supply

### Hydraulic

Optimized hydraulic system with more power, new proportional valve, and new fast speed sealings\*

### Safety

Upgraded safety to latest CE standard for an even more secure operation for your employees\*

### Program

Fine-tuned machine PLC program algorithm with faster speed and optimized high precision overlaps

### Operation

Enhanced machine operation with new modern CDU (HMI) touch panel for intuitive and user-friendly operation

\*If not already installed

Please contact your local DISA Representative and ask for:  
**DISA MATCH 24/28 DMM and AMH Speed Up Kit**

What is your current speed?	Your current situation		Your new situation		Increase (%)	
	Current speed (mph)	Current cycle (sec)	New speed (mph)	New cycle (sec)		
	70	51	79	45	13%	(DMM+)
	80	45	92	39	15%	
	90	40	106	34	18%	
	100	36	120	30	20%	
	110	33	120	30	9%	(AMH+)
	120	30	120	30	0%	
	110	33	135	27	22%	
	120	30	150	24	25%	

# SMC load-cell calibration tool

## For SMC, SMC PRO, DISA SMC Stand Alone and Integrated



**Keep consistent sand quality by maintaining the SMC a reliable measuring device**

The SMC can control compressibility and compression strength of the sand that is discharged from the mixer by adjusting the mixing process. To control the achieved compressibility, the water addition in the mixer is adjusted. To control the achieved compression strength, the additives that are being added to the sand in the mixer is adjusted.

Incorrect calibration of the SMC load cells results in unreliable measurements, which cause wrong sand properties followed by increased scrap and or downtime in the foundry.

DISA has developed a smart calibration tool that easily enables users to maintain accurate SMC measurement you can trust.

### Solution

The SMC load-cell calibration tool consist of the hardware and software required to test and calibrate the load-cells

rated up to 2 kN or 200 kg. The load-cell calibration tool is specifically intended to be used for calibrating load-cells in SMCs.

### Benefits

A correctly calibrated SMC provides measurement that you can trust and enables consistent sand properties as well as correct compressibility and compression strength. Sand related defects can thereby be minimized.

### Scope

- A calibration load-cell
- Digital Transducer Application Software and user manual on USB flash memory
- Adapter-plate to be used with your DISA SMC

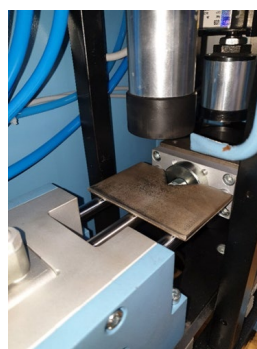
### Requirements

- PC running Windows 10 or newer operations system
- USB port with USB 2.0 support
- Minimum 100 MB free disk space for the digital Transducer Application Software
- Minimum 8 GB RAM available

### Kit to order

11509651

Kit Load Cell Calibration Tool



Adapter plate placed on top of guide rails.



Calibration load-cell placed on top of adapter plate.



# Replacement Visual Display Units (VDU) DISA 230



**Keep the machine up to date despite the discontinued components**

The VDUs used until recently on the DISA 230 is no longer available. DISA has introduced a new version based on the Beckhoff industrial PC.

## Easy to install

The new industrial PC has different dimensions than the previous IPC. A new operator panel front plate is included in the kit to match the dimensions of the new IPC. The front plate comes with the light diodes already installed.

The VDU comes with the necessary hardware and software including the machine specific program factory installed and tested.

## Scope of supply

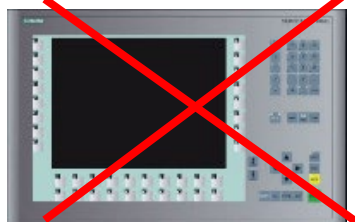
Visual Display Unit consisting of:

- VDU 12" PC w. F keys and num. keys
- Software Communication RS LINX
- Communication board DH+
- Software Symantec Ghost Licens.
- Software WIN 10 IoT
- Memory stick with the machine specific software

Matching panel front plate with diodes

Please contact your local DISA Representative and ask for the part specified for your Machine Type as indicated in the table below.

Description	Part No.
Replacement for XYCOM	11849315
Replacement for PC 677	11849315
Replacement for PC 477	11849315
Spare VDU for the above	11812102





# Replacement Visual Display Units (VDU)

DISA 240 170001-170014, DISA 250 160001-160010,  
DISA 270 180001-180004, DISA 280 190001-190003



## Keep the machine up to date despite the discontinued components

The spare VDU used until recently on the DISA 240, 250, 270 and 280 is no longer available. DISA has introduced a new version based on the Beckhoff industrial PC.

## Easy to install

The new industrial PC has different dimensions than the previous IPC. A new operator panel front plate is included in the kit to match the dimensions of the new IPC. The front plate comes with the light diodes already installed.

The VDU comes with the necessary hardware and software including the machine specific program factory installed and tested.

## Scope of supply

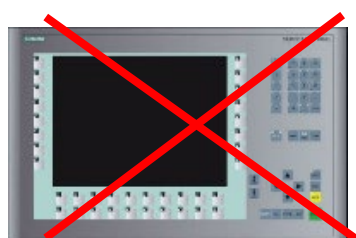
Visual Display Unit built and tested with the machine specific program. The VDU include:

- VDU 12" PC w. F keys and num. keys
- Software Communication RS LINX
- Communication board DH+
- Software Symantec Ghost License
- Software WIN 10 IoT
- Memory stick with the machine specific software

Matching panel front plate with diodes

Please contact your local DISA Representative and ask for the part specified for your Machine Type as indicated in the table below.

Description	Part No.
Replacement for PC 677	11849315
Replacement for PC 477	11849315
Spare VDU for the above	11812102



# Replacement Visual Display Units (VDU) DISAMATIC 2013 MK5



**Keep the machine up to date despite the discontinued components**

The VDUs earlier used on the DISAMATIC 2013MK5 are no longer available. DISA has introduced a new version based on the Beckhoff industrial PC.

## Easy to install

The new industrial PC has different dimensions than the previous IPC. A new operator panel front plate is included in the kit to match the dimensions of the new IPC. The front plate comes with the light diodes already installed.

The VDU comes with the necessary hardware and software including the machine specific program factory installed and tested.

## Scope of supply

Visual Display Unit consisting of:

- VDU 12" PC w. F keys and num. keys
- Software Communication RS LINX
- Communication board DH+
- Software Symantec Ghost Licens.
- Software WIN 10 IoT
- Memory stick with the machine specific software

Matching panel front plate with diodes

In case the existing VDU is a T30 or Versaview the kit will include a complete operator panel.

Please contact your local DISA Representative and ask for the part specified for your Machine Type as indicated in the table below.

Description	Part No.
Replacement for T-30 or Versaview	11014540
Replacement for XYCOM	11863200
Replacement for PC 677	11863200
Replacement for PC 477	11863200
Spare VDU for the above	11812105



# Replacement Visual Display Units (VDU) DISAMATIC 2070 MK1-PLC and 2070 MK2



## Keep the machine up to date despite the discontinued components

The spare VDU used until recently on the DISAMATIC 2070 MK1 PLC and 2070 MK2 is no longer available. DISA has introduced a new version based on the Beckhoff industrial PC.

## Easy to install

The new industrial PC has different dimensions than the previous IPC. A new operator panel front plate is included in the kit to match the dimensions of the new IPC. The front plate comes with the light diodes already installed. The VDU comes with the necessary hardware and software including the machine specific program factory installed and tested.

## Scope of supply

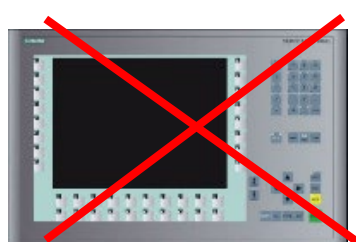
Visual Display Unit built and tested with the machine specific program. The VDU include:

- VDU 12" PC w. F keys and num. keys
- Software Communication RS LINX
- Communication board DH+
- Software Symantec Ghost License
- Software WIN 10 IoT
- Memory stick with the machine specific software

Matching panel front plate with diodes

Please contact your local DISA Representative and ask for the part specified for your Machine Type as indicated in the table below.

Description	Part No.
2070 MK1-PLC VDU replacement kit	11796733
2070 MK1-PLC Spare VDU for the above	11812106
2070 MK2 VDU replacement kit	11818910
2070 MK2 Spare VDU for the above	11812105



# Monitizer® | CIM UPGRADE

## Upgrade existing CIM to the new generation

Multiple languages support

Browser based

Improved user interface

Multiple user logins

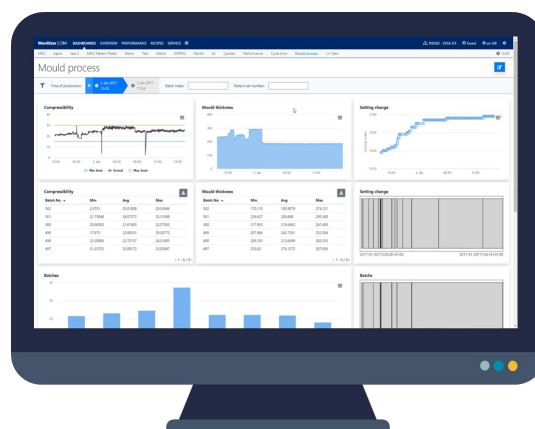
Central clock controlled

Monitizer® | DISCOVER supported

### Advantages

#### Monitizer® | CIM UPGRADE

- New improved browser-based user interface
- User account management to secure system and data
- New features helps turns data into value
- Support Monitizer® | DISCOVER IIoT cloud solution
- Windows 10 supported by Microsoft
- Reduce risk of viruses and malware
- Enhance built-in-security, performance and stability
- New up-to-date hardware
- All software preloaded ensure fast plug n' play installation
- Industry 4.0 ready –Norican's powerful IIoT solution



**Monitizer® | CIM**

- Convert existing CIM modules to Monitizer CIM
- New improved browser-based user interface
- User account management to secure system and data
- New features and tools helps turns data into value
- Support Monitizer® | GLOBAL IIoT cloud solution

**Windows 10**

- After 10 years, Microsoft support for Windows 7 is coming to an end January 2020
- Microsoft recommends to update to reduce risk of viruses and malware
- Enhance built-in-security, performance and stability

**Hardware**

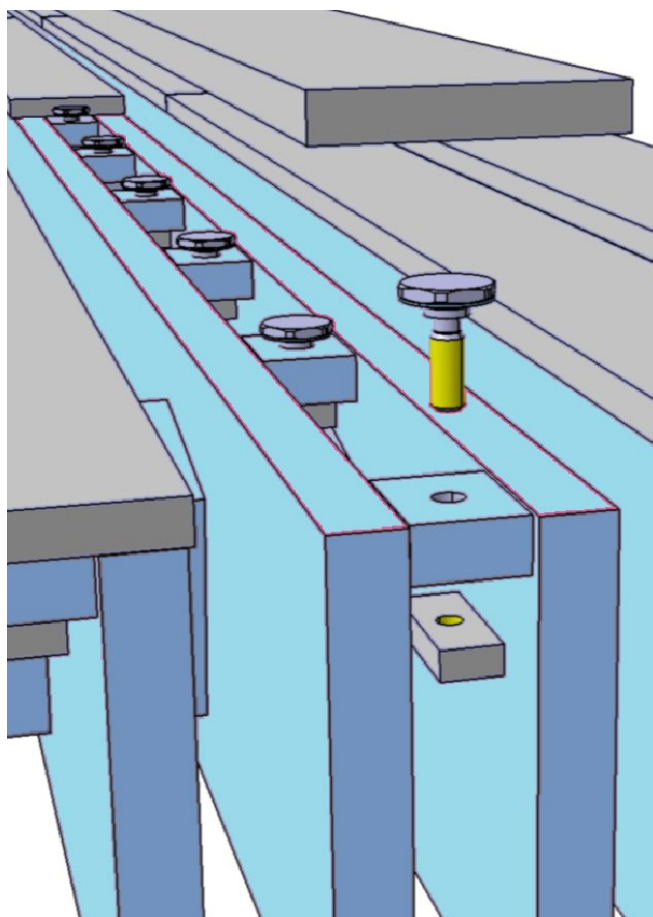
- New up-to-date hardware
- Preload of existing pattern database to new hardware
- All software preloaded ensure fast plug n' play installation

**Industry 4.0 Ready**

- Prepared for uploading foundry data to the Norican Hub via Norigate
- Apply mathematic calculations to generate new meaningful data
- Visualize data via customized dashboards
- Notifications in case the data exceeds thresholds

# Longer T-screws for AMC capping strips

## DISAMATIC 2013, DISA 230/130/131/231



The longer T-screws known from DISAMATIC D3 and D5 are now available for DISAMATIC 2013 MK5, DISA 230/130/131/231.

### Feature

The kit includes:

- Instruction of how to modify the existing AMC rail to fit the longer screws
- Enough T-screws and nuts for a 6-meter ACM section

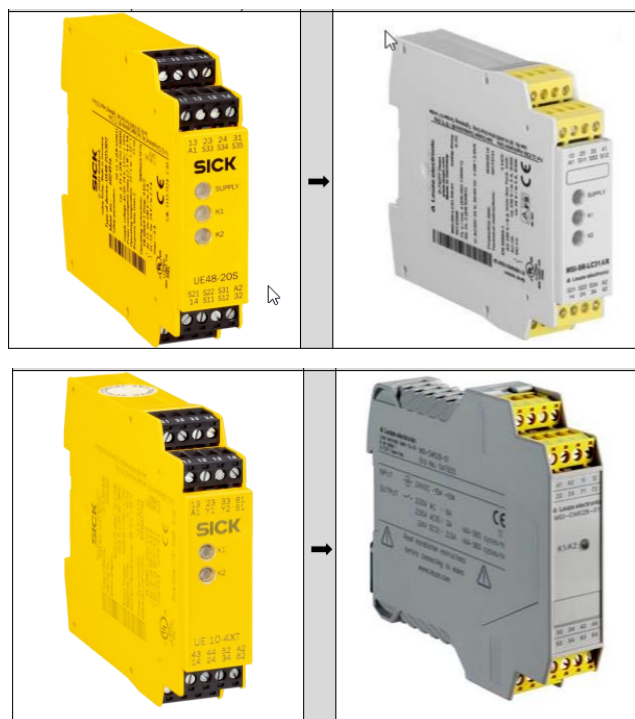
### Benefits

- New design with longer screws, which screw into a DISA designed self retaining nut.
- No drilling of broken and stuck screws, just replacing
- This is especially important in the pouring section

Type of Machine	Size	Part number
DISAMATIC 2013		
DISA 130-131-230-231	A, B or C	20043454
DISAMATIC 2013		
DISA 130-131-230-231	X, Z	20043455



# Safety relay replacement kits DISA 231



The Sick safety relays 10236023 and 10566528 and the expansion relay 10086024 have all been discontinued from the manufacturer.

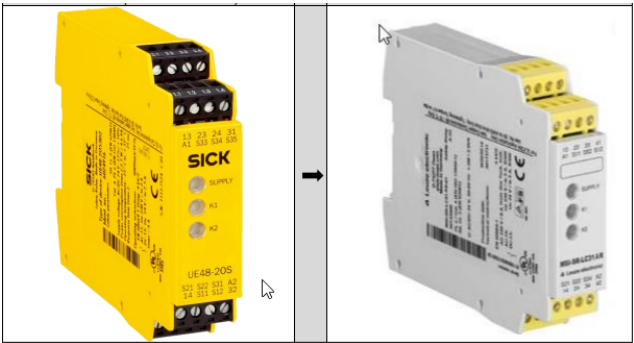
DISA introduces replacement kits including new components. 10086023 and 10086024 can be replaced one by one whereas the 2 pcs 10566528 need replacement through one kit.

Each kit comes with the replacement components, installation material and a thorough kit description with the installation instruction and documentation of diagram changes.

Please see below list for the proper replacement solution needed.

Item	Sick spec	Component	Pos	Config	Replacement kit	Comment
10086023	UE48-3 OS3D2	C10-K22	120		20041098	
10086023	UE48-3 OS3D2	C10-K42	120		20041098	
10086023	UE48-3 OS3D2	C10-K62	120		20041098	
10086023	UE48-3 OS3D2	C10-K82	3000	CSE	20041098	
10086023	UE48-3 OS3D2	C10-K102	3000	CSE	20041475	
10086024	UE10-4XT3D2	C10-K114	3010	CSE	20041099	
10086024	UE10-4XT3D2	C10-K118	3010	CSE	20041099	
10566528	UE43-4AR3D2	C10-K114	3020	CSE	20041097	1 kit replaces both K114 and K118
10566528	UE43-4AR3D2	C10-K118	3020	CSE		
10086023	UE48-3 OS3D2	C10-K122	120		20041475	
10086023	UE48-3 OS3D2	C10-K142	120		20041475	
10086023	UE48-3 OS3D2	C10-K162	3000	CSE	20041475	
10086024	UE10-4XT3D2	C10-K170	3010	CSE	20041099	
10086023	UE48-3 OS3D2	C10-K202	3000	CSE	20041065	
10086024	UE10-4XT3D2	C10-K226	130		20041099	
10086024	UE10-4XT3D2	C10-K230	130		20041099	
10086023	UE48-3 OS3D2	C10-K242		Shuttle	20041475	

# Safety relay replacement kits DISA 130, 131



The Sick safety relays 10236023 have been discontinued from the manufacturer.

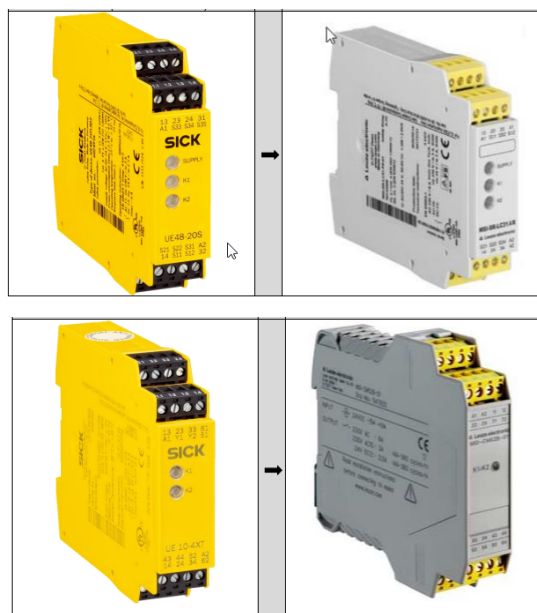
DISA introduces replacement kits including new components.  
10086023 can be replaced one by one.

Each kit comes with the replacement components, installation material and a thorough kit description with the installation instruction and documentation of diagram changes.

Please see below list for the proper replacement solution needed.

Item	Sick spec	Component	Config	Replacement kit	Comment
10086023	UE48-3 OS3D2	C10-K102	CSE	20069542	
10086023	UE48-3 OS3D2	C10-K202	CSE	20069541	

# Safety relay replacement kit DISA 240, 250, 270



The Sick safety relays 10236023 and 10566528 and the expansion relay 10086024 have all been discontinued from the manufacturer.

DISA introduces replacement kits including new components. 10086023 and 10086024 can be replaced one by one whereas the 2 pcs 10566528 need replacement through one kit.

Each kit comes with the replacement components, installation material and a thorough kit description with the installation instruction and documentation of diagram changes.

Please see below list for the proper replacement solution needed.

Item	Sick spec	Component	Config	Replacement kit	Comment
10086023	UE48-3 OS3D2	C10-K22		20062722	
10086023	UE48-3 OS3D2	C10-K42		20062722	
10086023	UE48-3 OS3D2	C10-K62		20062722	
10086024	UE10-4XT3D2	C10-K74		20062723	
10086024	UE10-4XT3D2	C10-K76		20062723	
10086023	UE48-3 OS3D2	C10-K82	CSE	20062722	
10086023	UE48-3 OS3D2	C10-K102	CSE	20062725	
10086024	UE10-4XT3D2	C10-K114	CSE	20062723	
10086024	UE10-4XT3D2	C10-K118	CSE	20062723	
10566528	UE43-4AR3D2	C10-K114	CSE	20062724	1 kit replaces both K114 and K118
10566528	UE43-4AR3D2	C10-K118	CSE		
10086023	UE48-3 OS3D2	C10-K122		20062725	
10086023	UE48-3 OS3D2	C10-K142		20062725	
10086023	UE48-3 OS3D2	C10-K162	CSE	20062725	
10086024	UE10-4XT3D2	C10-K170	CSE	20062723	
10086023	UE48-3 OS3D2	C10-K202	CSE	20062714	
10086024	UE10-4XT3D2	C10-K226		20062723	
10086024	UE10-4XT3D2	C10-K229		20062723	
10086024	UE10-4XT3D2	C10-K230		20062723	
10086023	UE48-3 OS3D2	C10-K242	Shuttle	20062725	
10086023	UE48-3 OS3D2	C10-K282	QCC	20062722	
10086023	UE48-3 OS3D2	C10-K383		20062725	
10086024	UE10-4XT3D2	C10-K393		20062723	
10086023	UE48-3 OS3D2	C10-K403		20062724	
10086024	UE10-4XT3D2	C10-K413		20062723	
10086024	UE10-4XT3D2	C10-K422		20062723	
10086024	UE10-4XT3D2	C10-K426		20062723	