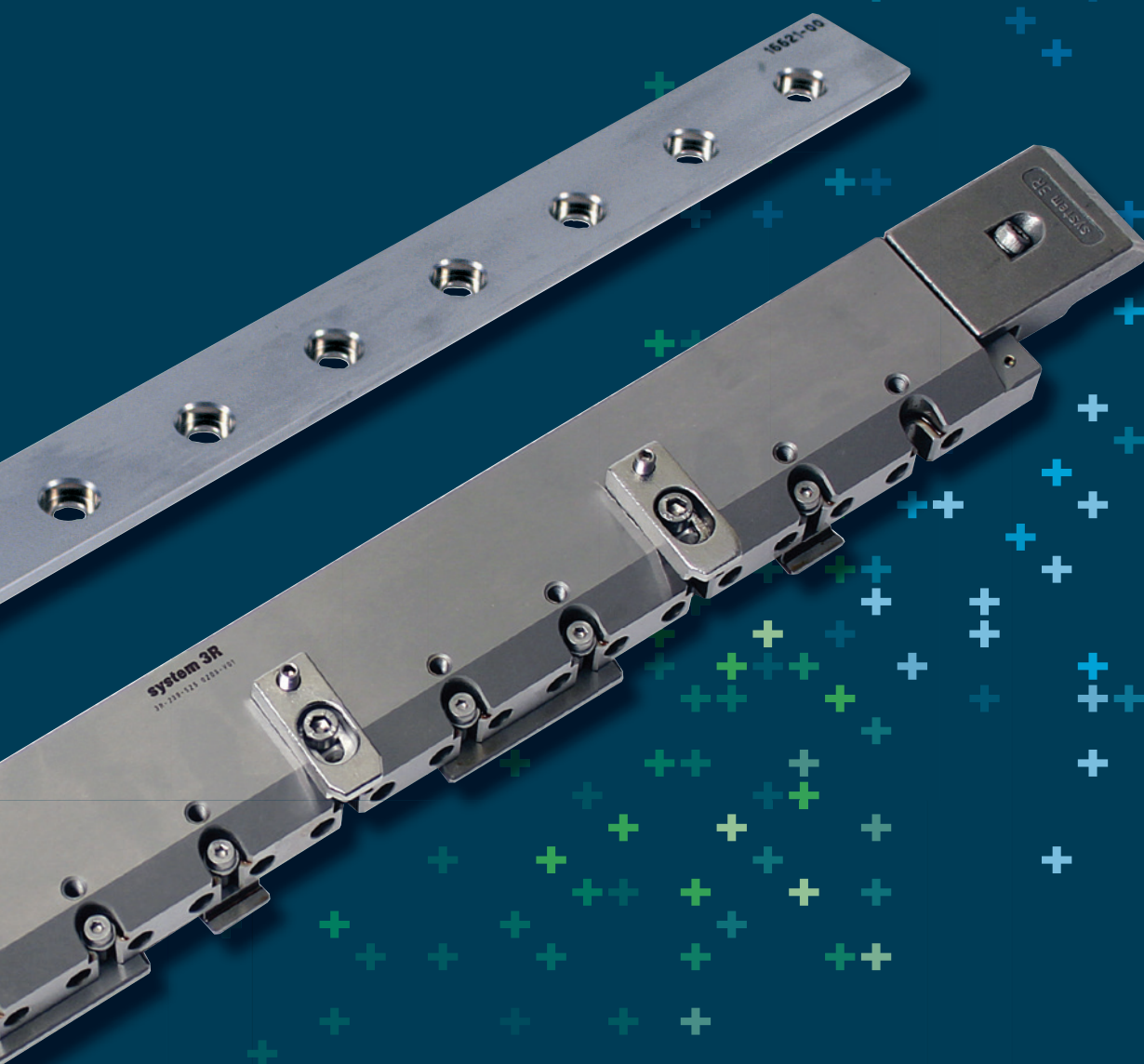+GF+

Sodick + System 3R tooling

Ledger for Reference elements and 3Rulers

This ledger is only to guide suitable length of reference elements and 3Ruler for specific machine model. Contents for 3Rulers and/or reference elements, see also TPS-sheets covering the range of 3R-200.yyJ-x, 3R-239-xxx and accessories.

Sodick

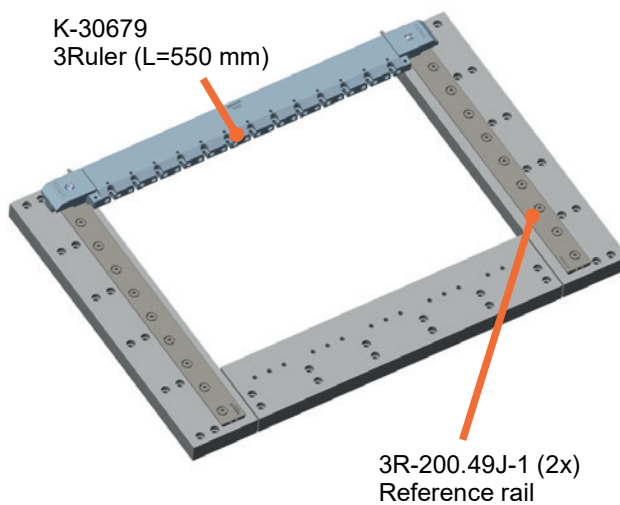| Model	Tooling configuration for X-axis		Tooling configuration for Y-axis			
	Ref. element	3R-239-xxx	Ref. element	3R-239-xxx	MIC-xxxx	
7632	3R-200.49J-1	550*****	3R-200.49J-1	N.a.	2943	Page: 3
AD325L	3R-200.29J-1	365	3R-200.4J-1	N.a.	2942	Page: 4
AL400G	3R-200.29J-1	445	3R-200.6J-1	N.a.	2815	Page: 5
AL400P	3R-200.29J-1	445	3R-200.6J-1	N.a.	2815	Page: 5
AL600G	3R-200.4J-1	645.86	3R-200.3J-1 + 3R-200.4J-1	N.a.	2816	Page: 6
AL800G	3R-200.5J-2	850.86	3R-200.4J-1 + 3R-200.6J-1	N.a.	2827	Page: 7
AL800P	3R-200.5J-2	850.86	3R-200.4J-1 + 3R-200.6J-1	N.a.	2827	Page: 7
ALC400G	3R-200.29J-1	445	3R-200.6J-1	N.a.	2815	Page: 5
ALC600G	3R-200.4J-1	645.86	3R-200.3J-1 + 3R-200.4J-1	N.a.	2816	Page: 6
ALC800G	3R-200.5J-2	850.86	3R-200.4J-1 + 3R-200.6J-1	N.a.	2827	Page: 7
ALN400G	3R-200.29J-1	445	3R-200.6J-1	N.a.	2815	Page: 5
ALN400Q	3R-200.29J-1	445	3R-200.6J-1	N.a.	2815	Page: 5
ALN600G	3R-200.4J-1	645.86	3R-200.3J-1 + 3R-200.4J-1	N.a.	2816	Page: 6
ALN600Q	3R-200.4J-1	645.86	3R-200.3J-1 + 3R-200.4J-1	N.a.	2816	Page: 6
ALN800G	3R-200.5J-2	850.86	3R-200.4J-1 + 3R-200.6J-1	N.a.	2827	Page: 7
AP250L (yr. 2002-)	3R-200.2J-1	295	3R-200.29J-1	N.a.	2871	Page: 8
AP450L (yr. 2002-)	3R-200.29J-1	495	3R-200.29J-1	N.a.	2953	Page: 9
AQ750L	3R-200.3J-1	795.86	3R-200.3J-1 + 3R-200.4J-1	N.a.	2878	Page: 10
AQ900L	3R-200.4J-1	945.86	3R-200.4J-1 + 3R-200.49J-1	N.a.	2877	Page: 11
AQ1200L	3R-200.5J-2	N.a.	3R-200.4J-2	865.86	2876	Page: 12
VL400Q	3R-200.29J-1	445	3R-200.6J-1	N.a.	2828	Page: 13
VL600Q	3R-200.4J-1	645.86	3R-200.3J-1 + 3R-200.4J-1	N.a.	2829	Page: 14

***** 3Ruler is supplied by article no.: K-30679

System 3R

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MIC – Machine Interface Configuration

February 12, 2021

Subject to modifications
MIC-2943

Sodick – 7632

K-30679
3Ruler (L=550 mm)

3R-200.49J-1 (2x)
Reference rail

Machine table without tooling
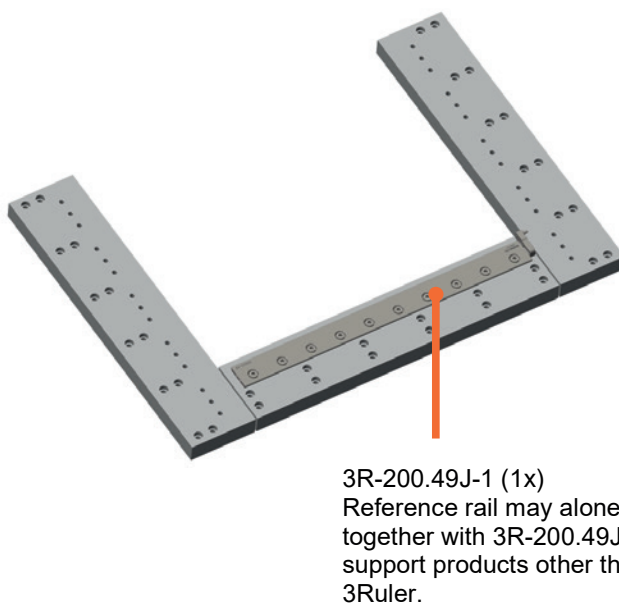Working area:
X: (not available) mm
Y: (not available) mm

Horizontal configuration
This configuration display one 3Ruler,
but two cross bars may be used.

Working area:
X: xx mm
Y: xx mm

Vertical configuration
The table does not support 3Ruler.

Working area:
X: xx mm
Y: xx mm

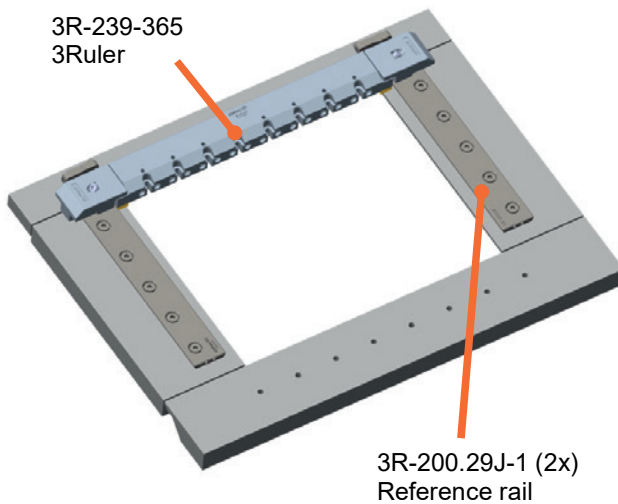See also TPS-sheet "3R-239-xxx" covering
3Ruler and recommended accessories.

Note: The reference rail also enables the
use of other products like: 3R-218-S,
3R-243.2-1 or 3R-272HP.

3R-200.49J-1 (1x)
Reference rail may alone or
together with 3R-200.49J-1
support products other than
3Ruler.

System 3R

+GF+

MIC – Machine Interface Configuration

Sodick – AD325L

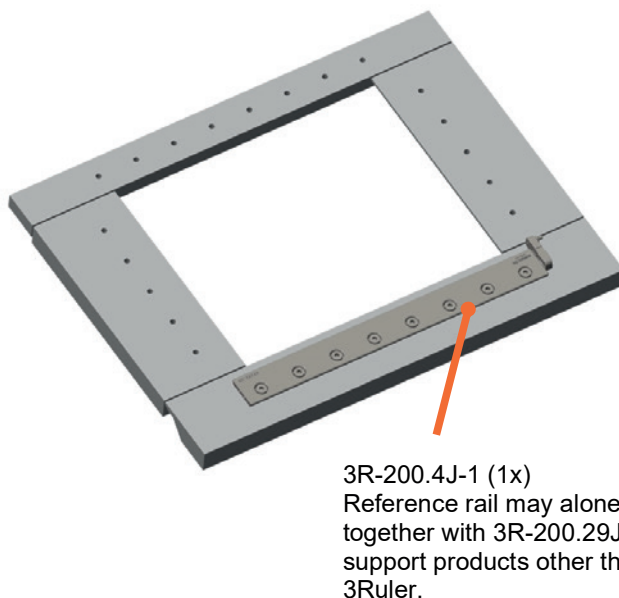3R-239-365
3Ruler

3R-200.29J-1 (2x)
Reference rail

Machine table without tooling
Working area:
   X: 320 mm
   Y: 250 mm

Horizontal configuration
This configuration display one 3Ruler, but two cross bars may be used.

Working area:
   X: 320 mm
   Y: 250 mm

3R-200.4J-1 (1x)
Reference rail may alone or together with 3R-200.29J-1 support products other than 3Ruler.

Vertical configuration
The table does not support 3Ruler.

Working area:
   X: 320 mm
   Y: 250 mm

See also TPS-sheet "3R-239-xxx" covering 3Ruler and recommended accessories.

Note: The reference rail also enables the use of other products like: 3R-218-S, 3R-243.2-1 or 3R-272HP.
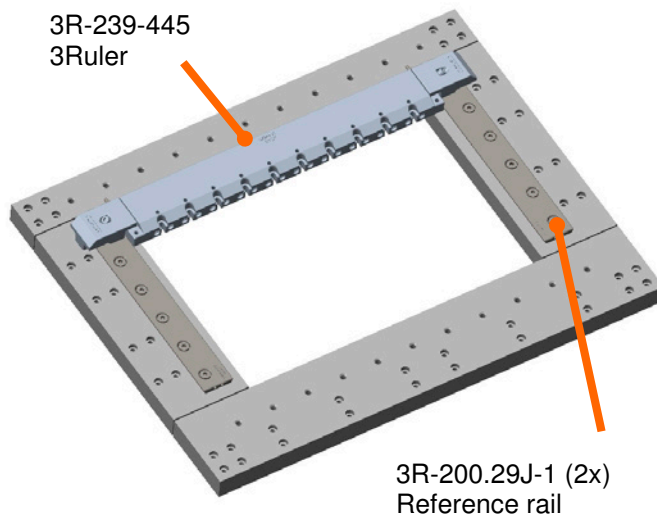
System 3R

+GF+

MIC – Machine Interface Configuration

November 11, 2018

Subject to modifications
MIC-2815

Sodick – AL400G, AL400P, ALC400G, ALN400G, ALN400Q

3R-239-445
3Ruler

3R-200.29J-1 (2x)
Reference rail

Machine table without tooling
Working area:
   X: 400 mm
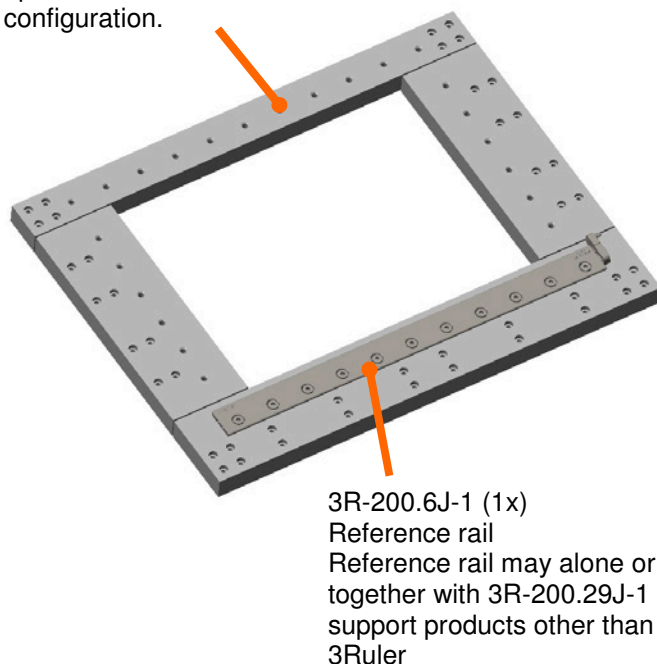   Y: 300 mm

Horizontal configuration
This configuration display one 3Ruler,
but two cross bars may be used.

Working area:
   X: 400 mm
   Y: 242 mm

Design of table, does not allow
reference rail opposite of
operator nor 3Ruler for vertical
configuration.

Vertical configuration
The table does not support 3Ruler.

Working area:
   X: 400 mm
   Y: 300 mm

See also TPS-sheet "3R-239-xxx" covering
3Ruler and recommended accessories.

Note: The reference rail also enables the
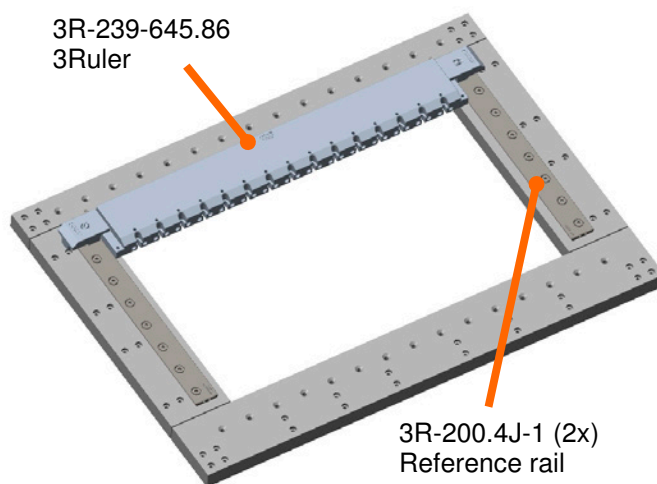use of other products like: 3R-218-S,
3R-243.2-1 or 3R-272HP.

3R-200.6J-1 (1x)
Reference rail
Reference rail may alone or
together with 3R-200.29J-1
support products other than
3Ruler

System 3R

+GF+

MIC – Machine Interface Configuration

November 11, 2018

Subject to modifications
MIC-2816

Sodick – AL600G, AL600P, ALC600G, ALN600G, ALN600Q

3R-239-645.86
3Ruler

3R-200.4J-1 (2x)
Reference rail

Machine table without tooling
Working area:
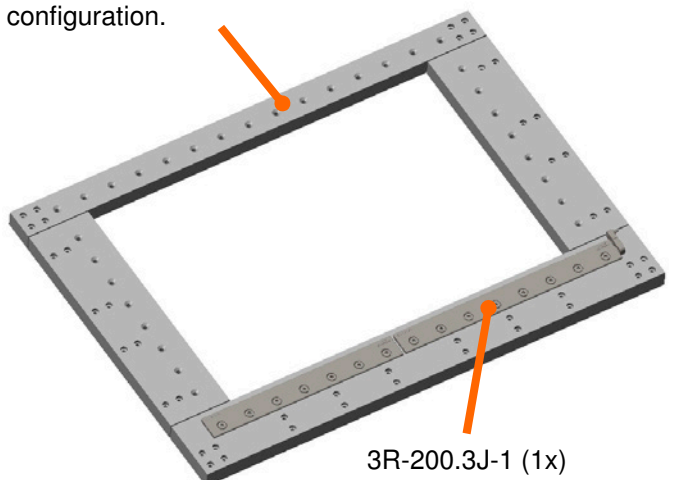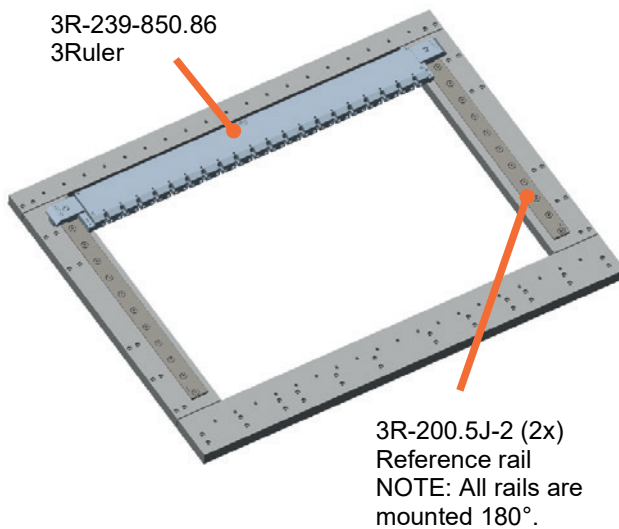X: 600 mm
Y: 400 mm

Horizontal configuration
This configuration display one 3Ruler,
but two cross bars may be used.

Working area:
X: 600 mm
Y: 316 mm

Design of table, does not allow
reference rail opposite of
operator nor 3Ruler for vertical
configuration.

Vertical configuration
The table does not support 3Ruler.

Working area:
X: 600 mm
Y: 400 mm

3R-200.3J-1 (1x)
3R-200.4J-1 (1x)
Reference rail may alone or
together with 3R-200.4J-1
support products other than
3Ruler

See also TPS-sheet "3R-239-xxx" covering
3Ruler and recommended accessories.

Note: The reference rail also enables the
use of other products like: 3R-218-S,
3R-243.2-1 or 3R-272HP.

System 3R

+GF+

MIC – Machine Interface Configuration

June 7, 2021

Subject to modifications
MIC-2827

Sodick – AL800G, AL800P, ALC800G, ALN800G

3R-239-850.86
3Ruler

3R-200.5J-2 (2x)
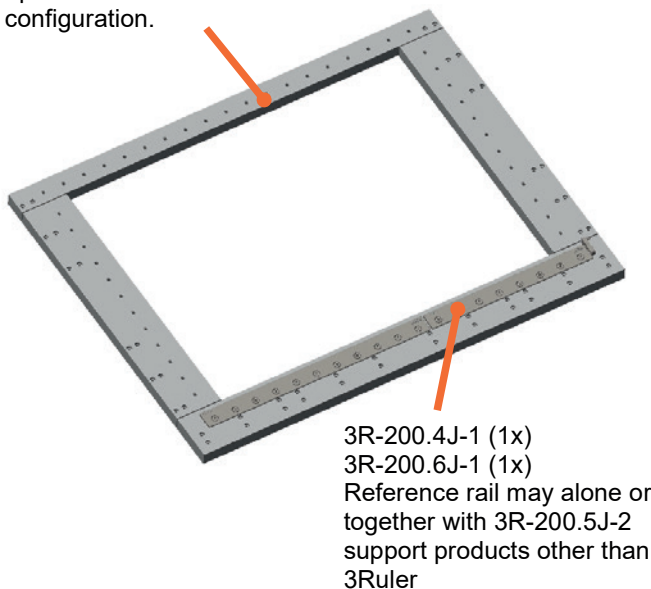Reference rail
NOTE: All rails are
mounted 180°.

Machine table without tooling
Working area:
   X: 800 mm
   Y: 600 mm

Horizontal configuration
This configuration display one 3Ruler,
but two cross bars may be used.

Working area:
   X: 800 mm
   Y: 504 mm

Design of table, does not allow
reference rail opposite of
operator nor 3Ruler for vertical
configuration.

3R-200.4J-1 (1x)
3R-200.6J-1 (1x)
Reference rail may alone or
together with 3R-200.5J-2
support products other than
3Ruler

Vertical configuration
The table does not support 3Ruler.

Working area:
   X: 800 mm
   Y: 600 mm

See also TPS-sheet "3R-239-xxx" covering
3Ruler and recommended accessories.

Note: The reference rail also enables the
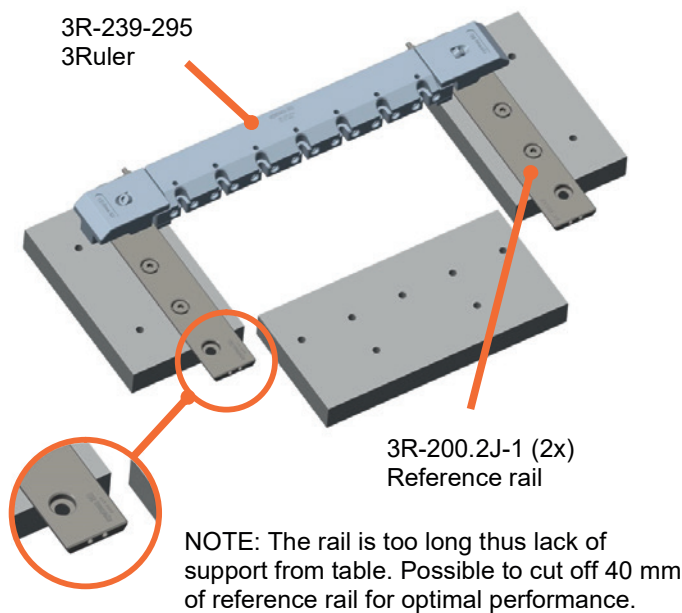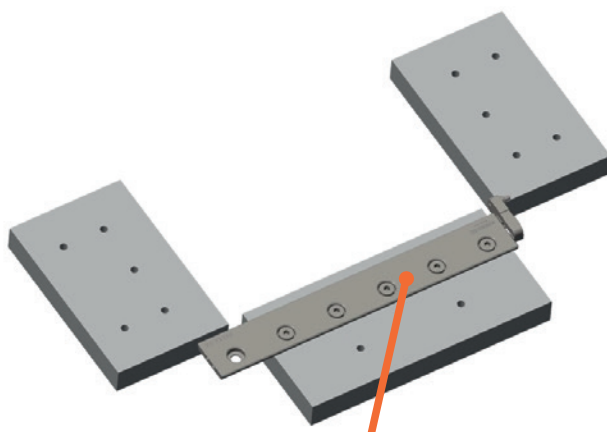use of other products like: 3R-218-S,
3R-243.2-1 or 3R-272HP.

System 3R

+GF+

MIC – Machine Interface Configuration

May 31, 2021

Subject to modifications
MIC-2871

Sodick – AP250L (yr. 2002-)

3R-239-295
3Ruler

3R-200.2J-1 (2x)
Reference rail

NOTE: The rail is too long thus lack of
support from table. Possible to cut off 40 mm
of reference rail for optimal performance.

Machine table without tooling
Working area:
  X: 250 mm
  Y: 150 mm

Horizontal configuration
This configuration display one 3Ruler,
but two cross bars may be used.

Working area:
  X: 250 mm
  Y: 109 mm

3R-200.29J-1 (1x)
Reference rail may alone or
together with 3R-200.2J-1 support
products other than 3Ruler.

Vertical configuration
This U-shaped machine-table, does
not support 3Ruler.

Working area:
  X: 250 mm
  Y: 150 mm

See also TPS-sheet "3R-239-xxx" covering
3Ruler and recommended accessories.

Note: The reference rail also enables the
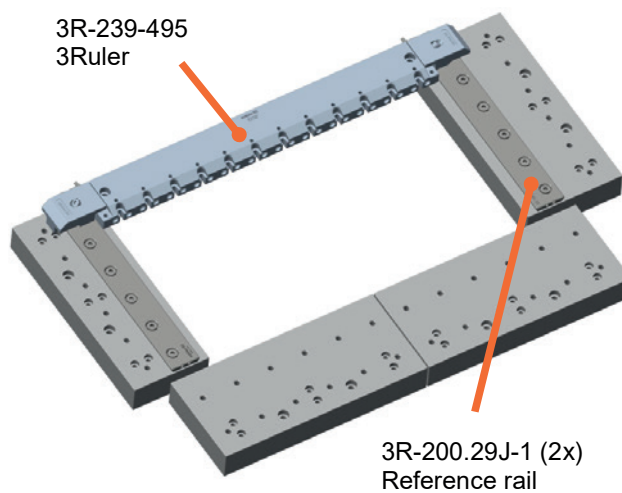use of other products like: 3R-218-S,
3R-243.2-1 or 3R-272HP.

System 3R

+GF+

MIC – Machine Interface Configuration

Sodick – AP450L

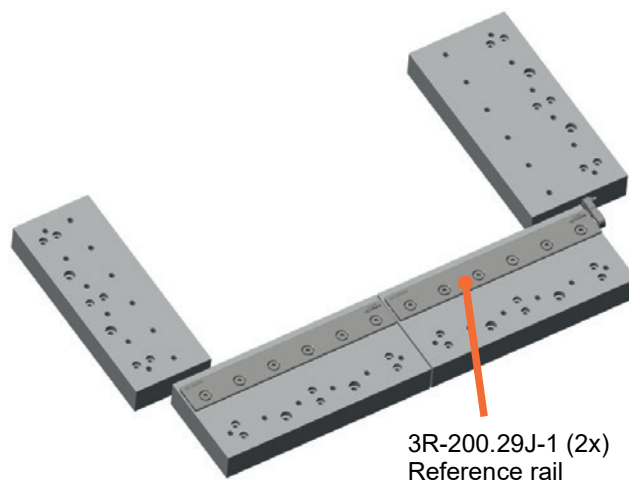3R-239-495
3Ruler

3R-200.29J-1 (2x)
Reference rail

Machine table without tooling
Working area:
    X: 450 mm
    Y: 300 mm

Horizontal configuration
This configuration display one 3Ruler, but two cross bars may be used.

Working area:
    X: 450 mm
    Y: 237 mm

3R-200.29J-1 (2x)
Reference rail

Vertical configuration
This U-shaped machine-table, does not support 3Ruler.

Working area:
    X: 450 mm
    Y: 300 mm

See also TPS-sheet "3R-239-xxx" covering 3Ruler and recommended accessories.
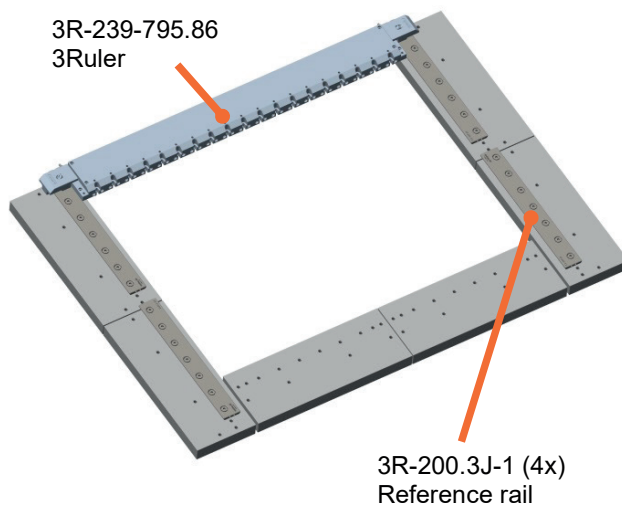
Note: The reference rail also enables the use of other products like: 3R-218-S, 3R-243.2-1 or 3R-272HP.

System 3R

MIC – Machine Interface Configuration

Sodick – AQ750L
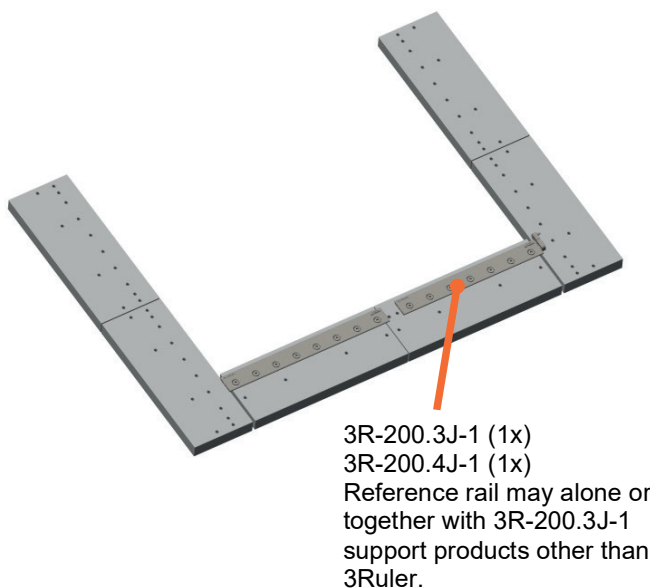
3R-239-795.86
3Ruler

3R-200.3J-1 (4x)
Reference rail

Machine table without tooling
Working area:
 X: 750 mm
 Y: 500 mm

Horizontal configuration
This configuration display one 3Ruler, but two cross bars may be used.

Working area:
 X: 750 mm
 Y: 500 mm

3R-200.3J-1 (1x)
3R-200.4J-1 (1x)
Reference rail may alone or together with 3R-200.3J-1 support products other than 3Ruler.

Vertical configuration
The table does not support 3Ruler.

Working area:
 X: 750 mm
 Y: 500 mm

See also TPS-sheet "3R-239-xxx" covering 3Ruler and recommended accessories.

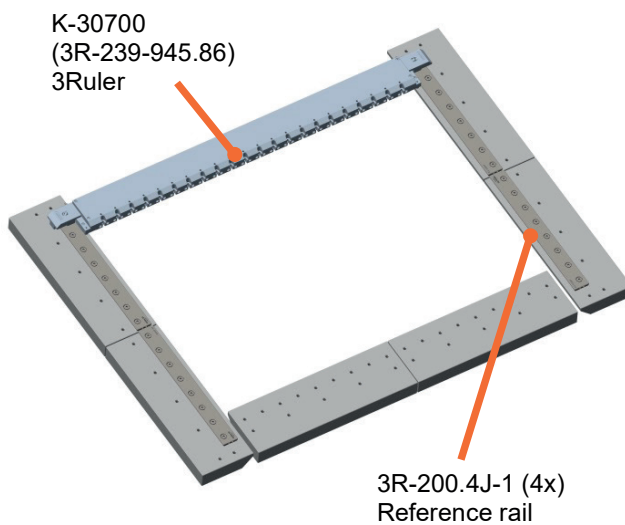Note: The reference rail also enables the use of other products like: 3R-218-S, 3R-243.2-1 or 3R-272HP.

System 3R

+GF+

MIC – Machine Interface Configuration

April 10, 2019

Subject to modifications
MIC-2877

Sodick – AQ900L

K-30700
(3R-239-945.86)
3Ruler

3R-200.4J-1 (4x)
Reference rail
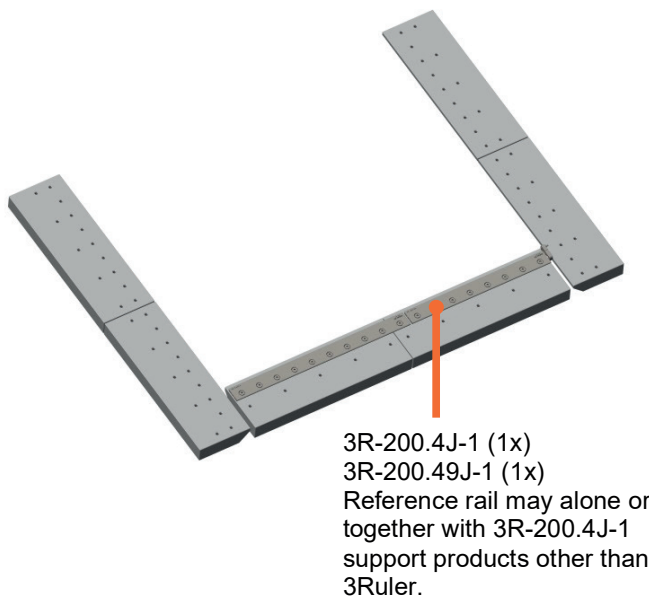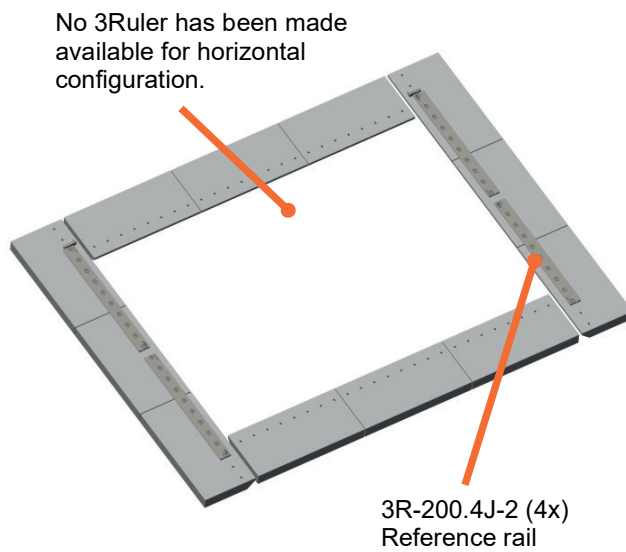
Machine table without tooling
Working area:
   X: 900 mm
   Y: 600 mm

Horizontal configuration
This configuration display one 3Ruler,
but two cross bars may be used.

Working area:
   X: 900 mm
   Y: 600 mm

Vertical configuration
The table does not support 3Ruler.

Working area:
   X: 900 mm
   Y: 600 mm

3R-200.4J-1 (1x)
3R-200.49J-1 (1x)
Reference rail may alone or
together with 3R-200.4J-1
support products other than
3Ruler.

See also TPS-sheet "3R-239-xxx" covering
3Ruler and recommended accessories.

Note: The reference rail also enables the
use of other products like: 3R-218-S,
3R-243.2-1 or 3R-272HP.

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MIC – Machine Interface Configuration

April 10, 2019

Subject to modifications
MIC-2876

Sodick – AQ1200L

No 3Ruler has been made
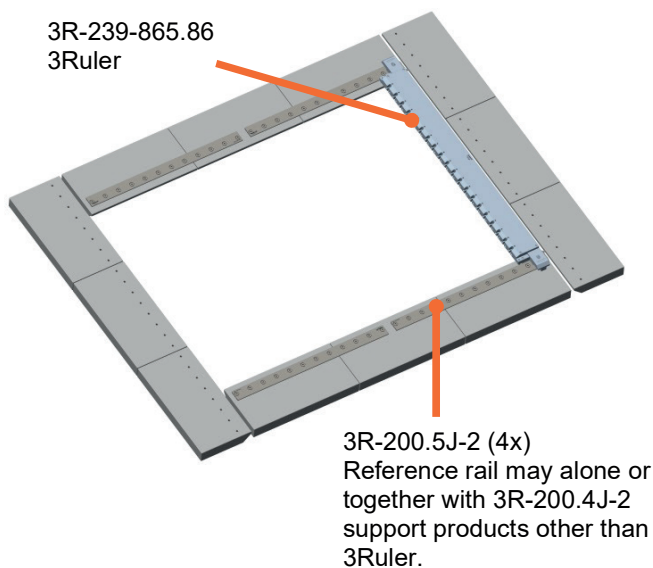available for horizontal
configuration.

3R-200.4J-2 (4x)
Reference rail

Machine table without tooling
Working area:
X: 1200 mm
Y: 800 mm

Horizontal configuration
There is no 3Ruler made available for
horizontal configuration.

Working area:
X: 1200 mm
Y: 800 mm

3R-239-865.86
3Ruler

3R-200.5J-2 (4x)
Reference rail may alone or
together with 3R-200.4J-2
support products other than
3Ruler.

Vertical configuration
This configuration display one 3Ruler,
but two cross bars may be used.

Working area:
X: 1100 mm
Y: 800 mm

See also TPS-sheet "3R-239-xxx" covering
3Ruler and recommended accessories.

Note: The reference rail also enables the
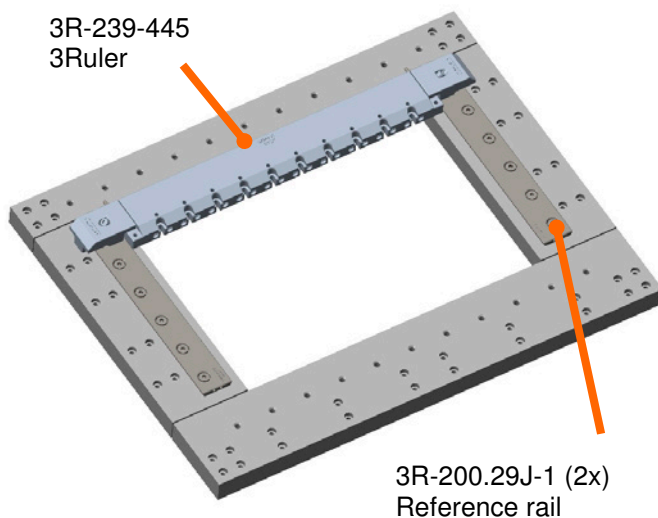use of other products like: 3R-218-S,
3R-243.2-1 or 3R-272HP.

System 3R

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MIC – Machine Interface Configuration

November 11, 2018

Subject to modifications
MIC-2828

Sodick – VL400Q

3R-239-445
3Ruler

3R-200.29J-1 (2x)
Reference rail

Machine table without tooling
Working area:
    X: 400 mm
    Y: 300 mm

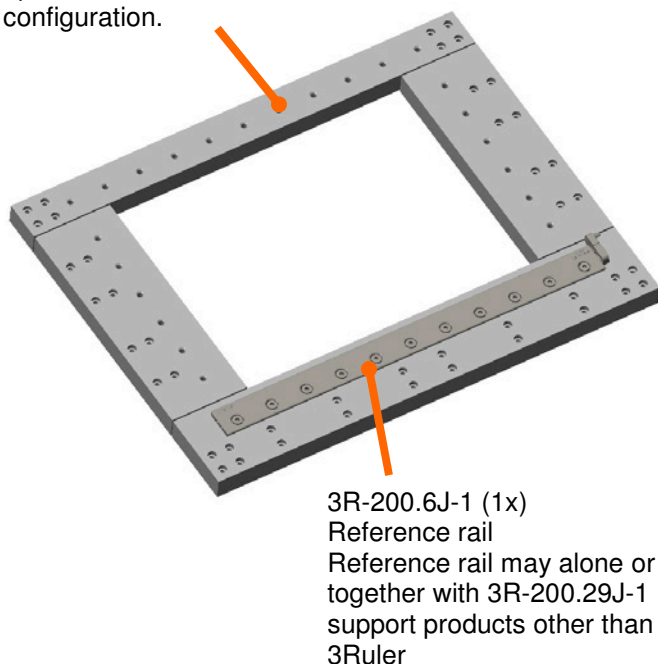## Horizontal configuration
This configuration display one 3Ruler, but two cross bars may be used.

Working area:
    X: 400 mm
    Y: 242 mm

Design of table, does not allow reference rail opposite of operator nor 3Ruler for vertical configuration.

3R-200.6J-1 (1x)
Reference rail
Reference rail may alone or together with 3R-200.29J-1 support products other than 3Ruler

Vertical configuration
The table does not support 3Ruler.

Working area:
    X: 400 mm
    Y: 300 mm

See also TPS-sheet "3R-239-xxx" covering 3Ruler and recommended accessories.

Note: The reference rail also enables the use of other products like: 3R-218-S, 3R-243.2-1 or 3R-272HP.
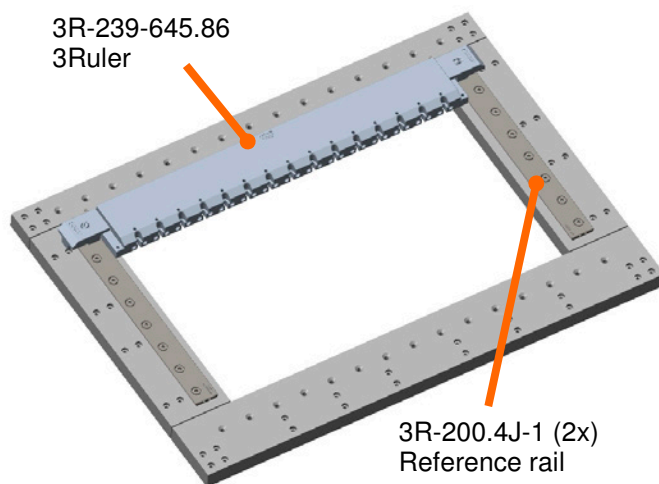
System 3R

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MIC – Machine Interface Configuration

November 11, 2018

Subject to modifications
MIC-2829

Sodick – VL600Q

3R-239-645.86
3Ruler

3R-200.4J-1 (2x)
Reference rail

Machine table without tooling
Working area:
   X: 600 mm
   Y: 400 mm
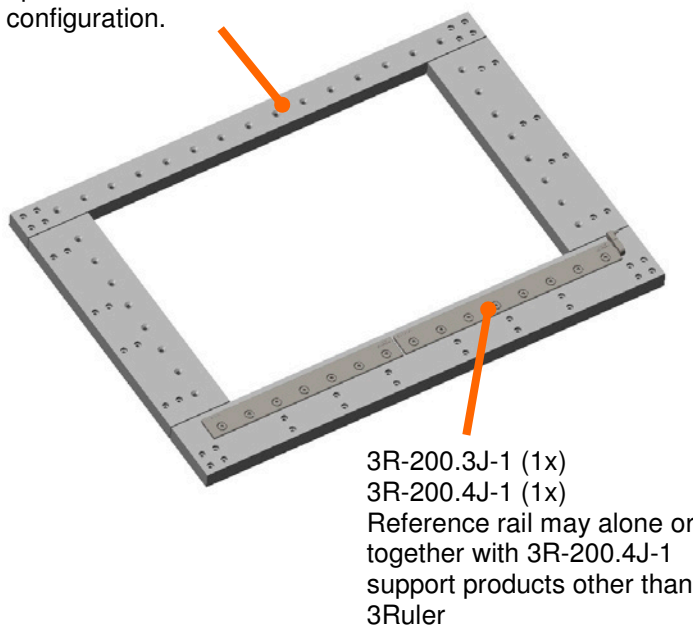
Horizontal configuration
This configuration display one 3Ruler, but two cross bars may be used.

Working area:
   X: 600 mm
   Y: 316 mm

Design of table, does not allow reference rail opposite of operator nor 3Ruler for vertical configuration.

Vertical configuration
The table does not support 3Ruler.

Working area:
   X: 600 mm
   Y: 400 mm

3R-200.3J-1 (1x)
3R-200.4J-1 (1x)
Reference rail may alone or together with 3R-200.4J-1 support products other than 3Ruler

See also TPS-sheet "3R-239-xxx" covering 3Ruler and recommended accessories.

Note: The reference rail also enables the use of other products like: 3R-218-S, 3R-243.2-1 or 3R-272HP.

GF Machining Solutions

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