# MARKING TECHNOLOGY



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dme_export@milacron.com



# HT

High temperature
Indexable
Blind Hole
Removable with one screw
Stainless steel 50/55 HRC

**HTIA HTYA**
Dedicated inserts
for HT date stamps

page 2



# U

Blind Hole
Indexable
Stainless Steel 50/55 HRC

**OUU YUU**
Dedicated inserts
for U date stamps

page 3



# U type S

Blind Hole
Fix it with one screw
Indexable
Stainless Steel 50/55 HRC

**OUU YUU**
Dedicated inserts
for U type S date stamps

page 4



# O

Long date stamps
Corrosion Resistant Steel 50/55 HRC

**OAN YAN OAS YAS**
Dedicated inserts
for O date stamps

page 5



# F

Short date stamps
Corrosion resistant steel 50/55 HRC

**OON YON OOS YOS**
Dedicated inserts
for F date stamps

page 6



# MD

Multidater
Blind Hole
Double indexable
Stainless Steel 50/55 HRC

page 7



# IA SF-IA

Inner inserts for
FA SF / FA 12 / FA

page 8



# Accessories

**DSF** - Distance washers for
UYM UOM UOY UOD
UOS UOB UOR

**SCR5** - set of 5 screwdrivers
for date stamps removal

page 9



# Recycling electrodes & Inserts

**MRI** - recycling Insert
**MRE** - recycling electrode

page 10

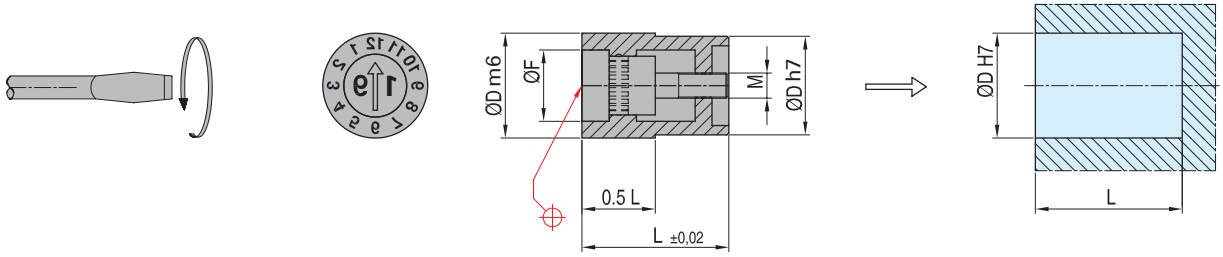
## HT

### Hi temperature indexable date stamps



Mat.: Stainless Steel
Hardeness: 50-55 HRC
Max.T: 340°C

- Indexable
- Outer insert easily removable from the front with a screw.
- Remove inner insert from the outer insert using a screwdriver.
- Newly engineered inner insert is removed with less rotations due to shorter threads (not compatible with other DME inserts)
- Inner inserts use ball detents to click into position





HTYM


HTOM


HTOY


HTOD


HTOS

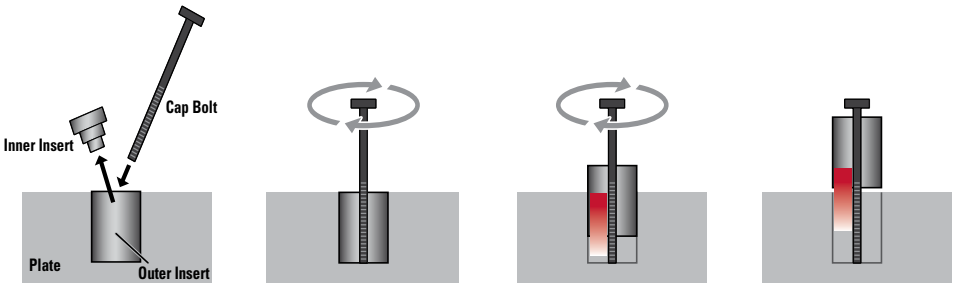

HTOB


HTOR

***Specify year. Example: HTYM1904**

| REF* | REF | REF* | Number of years | REF | REF | REF | REF | D | F | L | M1 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **HTYM**04** | **HTOM0004** | **HTOY**04** | **6** | | **HTOS0004** | **HTOB0004** | **HTOR0004** | 4 | 2,6 | 8 | M1,8x0,35 |
| **HTYM**06** | **HTOM0006** | **HTOY**06** | **6** | | **HTOS0006** | **HTOB0006** | **HTOR0006** | 6 | 4 | 8 | M2,5x0,4 |
| **HTYM**08** | **HTOM0008** | **HTOY**08** | **6** | | **HTOS0008** | **HTOB0008** | **HTOR0008** | 8 | 5 | 10 | M3 x 0,5 |
| **HTYM**10** | **HTOM0010** | **HTOY**10** | **6** | | **HTOS0010** | **HTOB0010** | **HTOR0010** | 10 | 6,3 | 12 | M3 x 0,5 |
| **HTYM**12** | **HTOM0012** | **HTOY**12** | **6** | | **HTOS0012** | **HTOB0012** | **HTOR0012** | 12 | 7,5 | 14 | M4 x 0,7 |
| **HTYM**16** | **HTOM0016** | **HTOY**16** | **6** | **HTOD0016** | **HTOS0016** | **HTOB0016** | **HTOR0016** | 16 | 11 | 14 | M5 x 0,8 |
| **HTYM**20** | **HTOM0020** | **HTOY**20** | **6** | **HTOD0020** | **HTOS0020** | **HTOB0020** | **HTOR0020** | 20 | 13,2 | 16 | M5 x 0,8 |

### Quick removal procedure




Remove the inside insert. Insert cap bolt into outer insert hole.

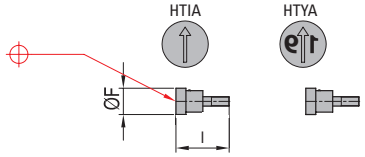
Turn the cap bolt clockwise into the outer inserts under threads.

Continue turning the cap bolt clockwise raising the outer insert up from the plate.

Remove the outer insert from the plate when it has cleared the hole.

## HT

### Hi temperature date stamps-inner inserts




Mat.: Stainless Steel
Hardeness: 50-55 HRC
Max.T: 340°C


HTIA


HTYA

***Specify year. Example: HTYA1904**

| REF | REF* | ØF | l |
|---|---|---|---|
| **HTIA0004** | **HTYA**04** | 2,6 | 5,5 |
| **HTIA0006** | **HTYA**06** | 4 | 5,5 |
| **HTIA0008** | **HTYA**08** | 5 | 7,1 |
| **HTIA0010** | **HTYA**10** | 6,3 | 8,8 |
| **HTIA0012** | **HTYA**12** | 7,5 | 9,8 |
| **HTIA0016** | **HTYA**16** | 11 | 9,8 |
| **HTIA0020** | **HTYA**20** | 13,2 | 11,8 |



CAD reference point

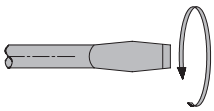
## Indexable date stamps

U

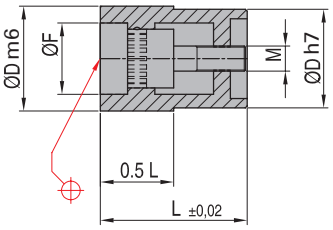
Mat.: Stainless steel
Hardness: 50-55 HRC
Max. T: 150°C

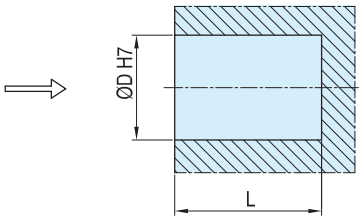
- Remove inner insert from the outer insert using a screwdriver

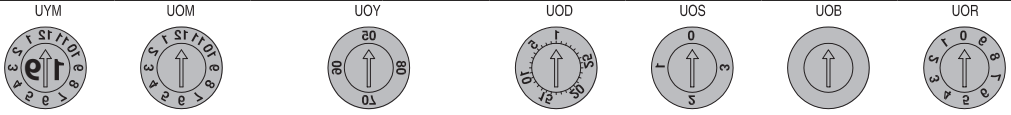









***Specify year. Example: UYM042019**

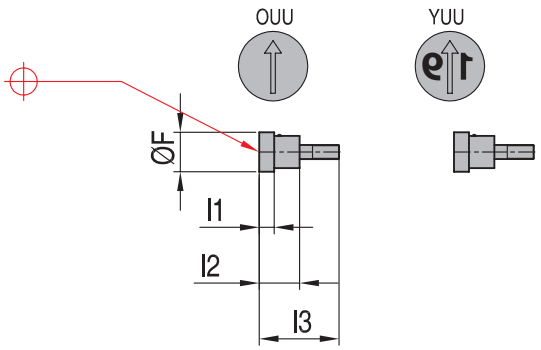
| REF* | REF | REF* | Number of years | REF | REF | REF | REF | D | L | F | M1 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **UYM0420**** | **UOM 04** | **UOY04/420**** | **4** | | **UOS 04** | **UOB 04** | **UOR 04** | 4 | 8 | 2,4 | M1,6x0,2 |
| **UYM0520**** | **UOM 05** | **UOY05/420**** | **4** | | **UOS 05** | **UOB 05** | **UOR 05** | 5 | 8 | 2,9 | M1,6x0,2 |
| **UYM0620**** | **UOM 06** | **UOY06/420**** | **4** | | **UOS 06** | **UOB 06** | **UOR 06** | 6 | 8 | 3,7 | M1,6x0,2 |
| **UYM0820**** | **UOM 08** | **UOY08/420**** | **4** | | **UOS 08** | **UOB 08** | **UOR 08** | 8 | 10 | 5,0 | M2,3x0,25 |
| **UYM1020**** | **UOM 10** | **UOY10/420**** | **4** | | **UOS 10** | **UOB 10** | **UOR 10** | 10 | 12 | 6,3 | M2,5x0,35 |
| **UYM1220**** | **UOM 12** | **UOY12/420**** | **4** | | **UOS 12** | **UOB 12** | **UOR 12** | 12 | 14 | 7,5 | M3x0,35 |
| **UYM1620**** | **UOM 16** | **UOY16/420**** | **4** | **UOD 16** | **UOS 16** | **UOB 16** | **UOR 16** | 16 | 14 | 11,0 | M4x0,35 |
| **UYM2020**** | **UOM 20** | **UOY20/420**** | **4** | **UOD 20** | **UOS 20** | **UOB 20** | **UOR 20** | 20 | 16 | 13,2 | M4x0,35 |

## Date stamps-inner inserts

OUU-YUU

Mat.: Corrosion resistant steel
Hardness: 50-55 HRC









***Specify year. Example: YUU042019**

| REF | REF* | F | l1 | l2 | l3 |
|---|---|---|---|---|---|
| **OUU 04** | **YUU0420**** | 2,4 | 1,5 | 4,5 | 7,7 |
| **OUU 05** | **YUU0520**** | 2,9 | 1,5 | 4,5 | 7,7 |
| **OUU 06** | **YUU0620**** | 3,7 | 1,5 | 4,5 | 7,7 |
| **OUU 08** | **YUU0820**** | 5,0 | 2,0 | 5,5 | 9,7 |
| **OUU 10** | **YUU1020**** | 6,3 | 2,5 | 6,5 | 11,7 |
| **OUU 12** | **YUU1220**** | 7,5 | 2,5 | 6,8 | 13,7 |
| **OUU 16** | **YUU1620**** | 11,0 | 2,5 | 6,8 | 13,7 |
| **OUU 20** | **YUU2020**** | 13,2 | 3,5 | 8,5 | 15,7 |

CAD reference point

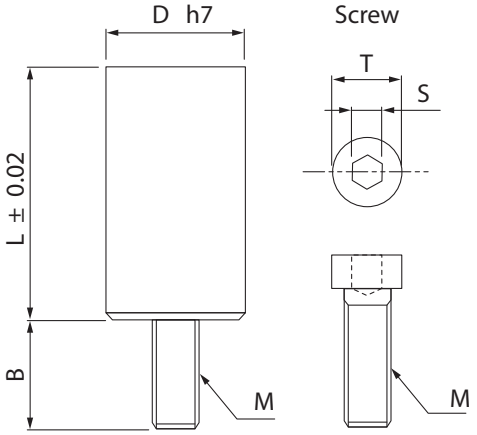
## U type S

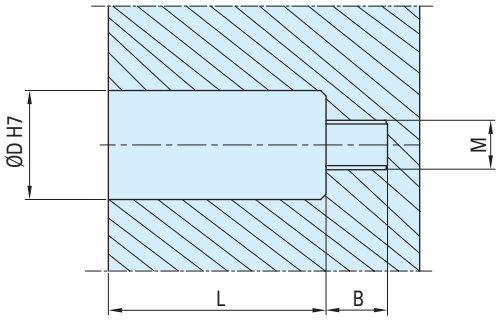
### Corrosion Resistant Indexable Date Stamps

Mat.: Stainless Steel
Hardness: 50-55 HRC
Max. T: 150°C








| UYM...S | UOM...S | UOY...S | UOR...S | UOS...S | UOB...S | UOD...S |
|---|---|---|---|---|---|---|
| Month / Year / Arrow | Month / Arrow | (6) Years | 0 thru 9 / Arrow | "Shift" / Arrow | Blank / Arrow | Day / Arrow |

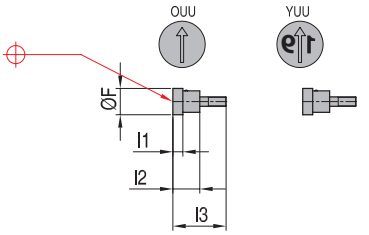
***Specify year. Example: UYM1906S**

| REF* | REF | REF* | Number of years | REF* | REF | REF | REF | D | L | B | T | S | M |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **UYM**06S** | **UOM0006S** | **UOY**06S** | **4** | **UOR0006S** | **UOS0006S** | **UOB0006S** | | 6 | 11 | 4,7 | 3 | 1,27 | M2x0,4 |
| **UYM**10S** | **UOM0010S** | **UOY**10S** | **4** | **UOR0010S** | **UOS0010S** | **UOB0010S** | | 10 | 15 | 4,5 | 5 | 1,5 | M3x0,5 |
| **UYM**16S** | **UOM0016S** | **UOY**16S** | **4** | **UOR0016S** | **UOS0016S** | **UOB0016S** | **UOD0016S** | 16 | 18 | 5,8 | 7,5 | 3 | M5x0,8 |

## U type S

### Corrosion Resistant Indexable Date Stamps-inner inserts

Mat.: Corrosion resistant steel
Hardness: 50-55 HRC






OUU YUU

***Specify year. Example: YUU042019**

| REF | REF* | F | l1 | l2 | l3 |
|---|---|---|---|---|---|
| **OUU 04** | **YUU0420**** | 2,4 | 1,5 | 4,5 | 7,7 |
| **OUU 05** | **YUU0520**** | 2,9 | 1,5 | 4,5 | 7,7 |
| **OUU 06** | **YUU0620**** | 3,7 | 1,5 | 4,5 | 7,7 |
| **OUU 08** | **YUU0820**** | 5,0 | 2,0 | 5,5 | 9,7 |
| **OUU 10** | **YUU1020**** | 6,3 | 2,5 | 6,5 | 11,7 |
| **OUU 12** | **YUU1220**** | 7,5 | 2,5 | 6,8 | 13,7 |
| **OUU 16** | **YUU1620**** | 11,0 | 2,5 | 6,8 | 13,7 |
| **OUU 20** | **YUU2020**** | 13,2 | 3,5 | 8,5 | 15,7 |

CAD reference point

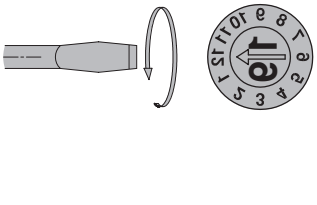
## Corrosion Resistant Date Stamps

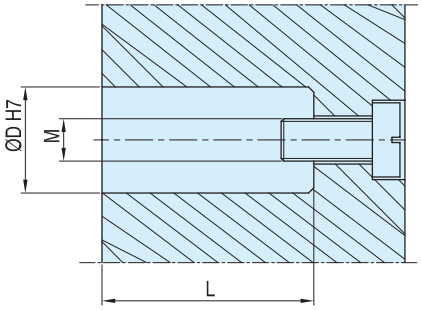
O

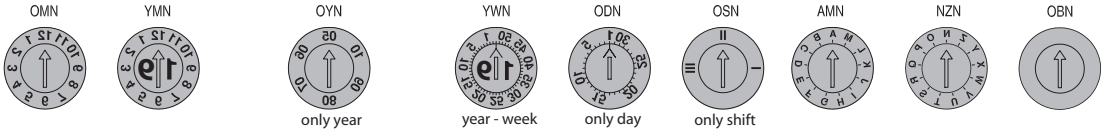
Mat.: Corrosion resistant steel
Hardness: 50-55 HRC
Max. T: 150°C

- Remove inner insert from the outer insert using a screwdriver






***Specify year.**
**Example: YMN052019**

| REF | REF* | REF* | Number of years | REF* | REF | REF | REF | REF | REF | D | L | M1 | T | S |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **OMN 05** | **YMN0520**** | **OYN0520**** | **6** | **YWN0520**** | **ODN 05** | **OSN 05** | **AMN 05** | **NZN 05** | **OBN 05** | 5 | 17 | M3 | 3,5 | 0,20 |
| **OMN 06** | **YMN0620**** | **OYN0620**** | **6** | **YWN0620**** | **ODN 06** | **OSN 06** | **AMN 06** | **NZN 06** | **OBN 06** | 6 | 17 | M3 | 3,5 | 0,20 |
| **OMN 08** | **YMN0820**** | **OYN0820**** | **6** | **YWN0820**** | **ODN 08** | **OSN 08** | **AMN 08** | **NZN 08** | **OBN 08** | 8 | 20 | M4 | 4,0 | 0,35 |
| **OMN 10** | **YMN1020**** | **OYN1020**** | **6** | **YWN1020**** | **ODN 10** | **OSN 10** | **AMN 10** | **NZN 10** | **OBN 10** | 10 | 20 | M5 | 4,0 | 0,35 |
| **OMN 12** | **YMN1220**** | **OYN1220**** | **6** | **YWN1220**** | **ODN 12** | **OSN 12** | **AMN 12** | **NZN 12** | **OBN 12** | 12 | 25 | M6 | 6,0 | 0,50 |
| **OMN 16** | **YMN1620**** | **OYN1620**** | **6** | **YWN1620**** | **ODN 16** | **OSN 16** | **AMN 16** | **NZN 16** | **OBN 16** | 16 | 33 | M8 | 8,0 | 0,60 |
| **OMN 20** | **YMN2020**** | **OYN2020**** | **6** | **YWN2020**** | **ODN 20** | **OSN 20** | **AMN 20** | **NZN 20** | **OBN 20** | 20 | 33 | M8 | 8,0 | 0,60 |



**Special engraving available upon request**

## Date stamps-inner inserts

OAN-YAN-OAS-YAS

Mat.: Corrosion resistant steel
Hardness: 50-55 HRC
Max. T:150






***Specify year. Example: YAN052019**

| REF | REF* | REF | REF* | M1 | d1 | K | F | L1 |
|---|---|---|---|---|---|---|---|---|
| **OAN 05** | **YAN0520**** | **OAS 05** | **YAS0520**** | M1,6 x 0,2 | 3,1 | 3 | 5 | 13 |
| **OAN 06** | **YAN0620**** | **OAS 06** | **YAS0620**** | M1,6 x 0,2 | 3,1 | 3 | 5 | 13 |
| **OAN 08** | **YAN0820**** | **OAS 08** | **YAS0820**** | M2,5 x 0,35 | 4,6 | 4 | 6 | 14 |
| **OAN 10** | **YAN1020**** | **OAS 10** | **YAS1020**** | M2,5 x 0,35 | 4,6 | 4 | 6 | 14 |
| **OAN 12** | **YAN1220**** | **OAS 12** | **YAS1220**** | M3 x 0,50 | 6,4 | 4 | 6 | 17 |
| **OAN 16** | **YAN1620**** | **OAS 16** | **YAS1620**** | M3,5 x 0,60 | 8,4 | 5 | 8 | 23 |
| **OAN 20** | **YAN2020**** | **OAS 20** | **YAS2020**** | M3,5 x 0,60 | 11,0 | 5 | 8 | 23 |

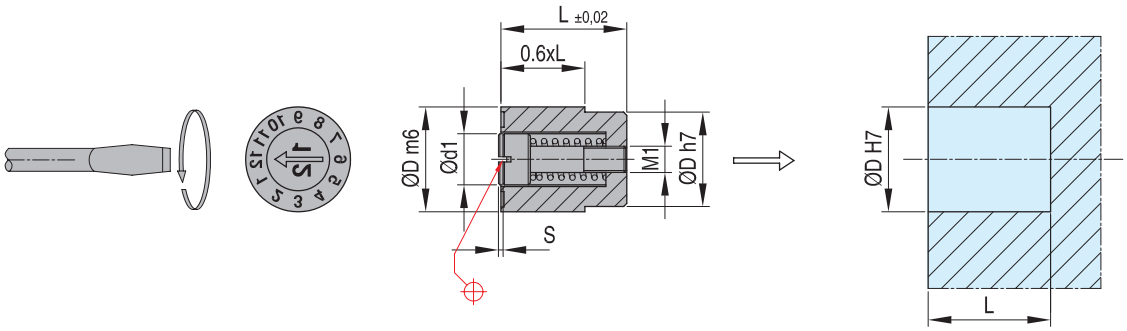
CAD reference point

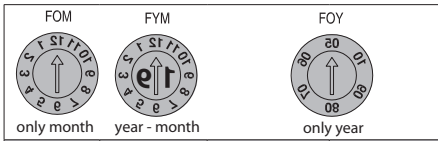
## F — Date stamps



Mat.: Corrosion resistant steel
Hardness: 50-55 HRC
Max. T: 150°C

- Remove inner insert from the outer insert using a screwdriver



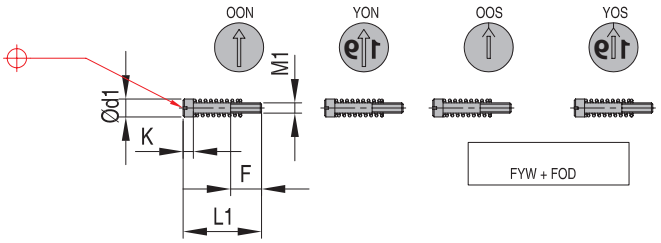

***Specify year.**
**Example: FYM00032019**

| REF | REF* | REF* | Number of years | REF* | REF | REF | REF | REF | REF | D | L | S | M1 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| FOM0002-6 | FYM0002-620** | FOY0002-620** | 6 | | | FOS0002-6 | FAM0002-6 | FNZ0002-6 | FOB0002-6 | 2,6 | 4 | 0,2 | M0,8 x 0,2 |
| FOM0003 | FYM000320** | FOY0003-20 | 6 | | | FOS0003 | FAM0003 | FNZ0003 | FOB0003 | 3 | 4 | 0,2 | M0,8 x 0,2 |
| FOM0004 | FYM000420** | FOY0004-20 | 6 | | | FOS0004 | FAM0004 | FNZ0004 | FOB0004 | 4 | 5 | 0,2 | M1,1 x 0,25 |
| FOM0005 | FYM000520** | FOY0005-20 | 6 | FYW000520** | FOD0005 | FOS0005 | FAM0005 | FNZ0005 | FOB0005 | 5 | 8 | 0,2 | M1,6 x 0,2 |
| FOM0006 | FYM000620** | FOY0006-20 | 6 | FYW000620** | FOD0006 | FOS0006 | FAM0006 | FNZ0006 | FOB0006 | 6 | 8 | 0,2 | M1,6 x 0,2 |
| FOM0008 | FYM000820** | FOY0008-20 | 6 | FYW000820** | FOD0008 | FOS0008 | FAM0008 | FNZ0008 | FOB0008 | 8 | 10 | 0,25 | M2,3 x 0,25 |
| FOM0010 | FYM001020** | FOY0010-20 | 6 | FYW001020** | FOD0010 | FOS0010 | FAM0010 | FNZ0010 | FOB0010 | 10 | 12 | 0,35 | M2,5 x 0,35 |
| FOM0012 | FYM001220** | FOY0012-20 | 6 | FYW001220** | FOD0012 | FOS0012 | FAM0012 | FNZ0012 | FOB0012 | 12 | 14 | 0,35 | M3 x 0,35 |
| FOM0016 | FYM001620** | FOY0016-20 | 6 | FYW001620** | FOD0016 | FOS0016 | FAM0016 | FNZ0016 | FOB0016 | 16 | 14 | 0,35 | M4 x 0,35 |
| FOM0020 | FYM002020** | FOY0020-20 | 7 | FYW002020** | FOD0020 | FOS0020 | FAM0020 | FNZ0020 | FOB0020 | 20 | 16 | 0,35 | M4 x 0,35 |

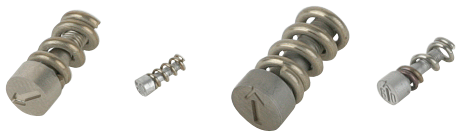


**Special engraving available upon request**

## OON-YON-OOS-YOS — Date stamps-inner inserts




Mat.: Corrosion resistant steel
Hardness: 50-55 HRC






***Specify year. Example: YON032019**

| REF | REF* | REF | REF* | M1 | d1 | K | F | L1 |
|---|---|---|---|---|---|---|---|---|
| OON2-6 | YON02-620** | | | M0,8 x 0,2 | 1,4 | 0,9 | 1,5 | 4 |
| OON3 | YON0320** | | | M0,8 x 0,2 | 1,5 | 0,9 | 1,5 | 4 |
| OON4 | YON0420** | | | M1,1 x 0,25 | 2,1 | 1,2 | 2,0 | 5 |
| OON5 | YON0520** | OOS5 | YOS0520* | M1,6 x 0,2 | 3,1 | 2,0 | 3,0 | 8 |
| OON6 | YON0620** | OOS6 | YOS0620* | M1,6 x 0,2 | 3,1 | 2,0 | 3,0 | 8 |
| OON8 | YON0820** | OOS8 | YOS0820* | M2,3 x 0,25 | 4,4 | 2,5 | 4,0 | 10 |
| OON10 | YON1020** | OOS10 | YOS1020* | M2,5 x 0,35 | 5,2 | 3,0 | 4,5 | 12 |
| OON12 | YON1220** | OOS12 | YOS1220* | M3 x 0,35 | 6,2 | 3,0 | 5,0 | 14 |
| OON16 | YON1620** | OOS16 | YOS1620* | M4 x 0,35 | 8,2 | 3,5 | 5,0 | 14 |
| OON20 | YON2020** | OOS20 | YOS2020* | M4 x 0,35 | 11 | 4,5 | 5,0 | 16 |

CAD reference point

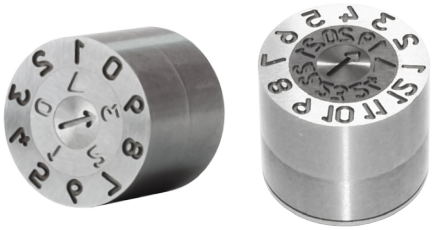
## Multidater

MD

Mat.: Stainless steel
Hardness: 50-55 HRC
Max. T: 150°C

- Outer ring: 12 months, months 1 through 12
- Inner ring: 6 years + arrow (arrow points to month)
- Center insert: arrow (points to year & adjusts position of both arrows)
- Double indexable: both arrows independently “click into position”
- Change positions easily with only a screwdriver using arrow in inner insert
- Turn clockwise to change “year” arrow (6 years)
- Turn counter-clockwise to change “month” arrow (12 months)
- All inserts remain flush when rotated
- Dual-Ring Insert may be interchanged for the 20mm, 16mm, 10mm,
- 8mm to 6mm diameter Indexable and Front Removable inserts

- The MDxxOD version is needed to trace days. The inner ring counts the ten and the outer ring counts the units.
- The two Multidaters together indicate a complete date. For example 31 on the MDxxOD version and 10 2019 on the other; indicating 31st of October 2019.

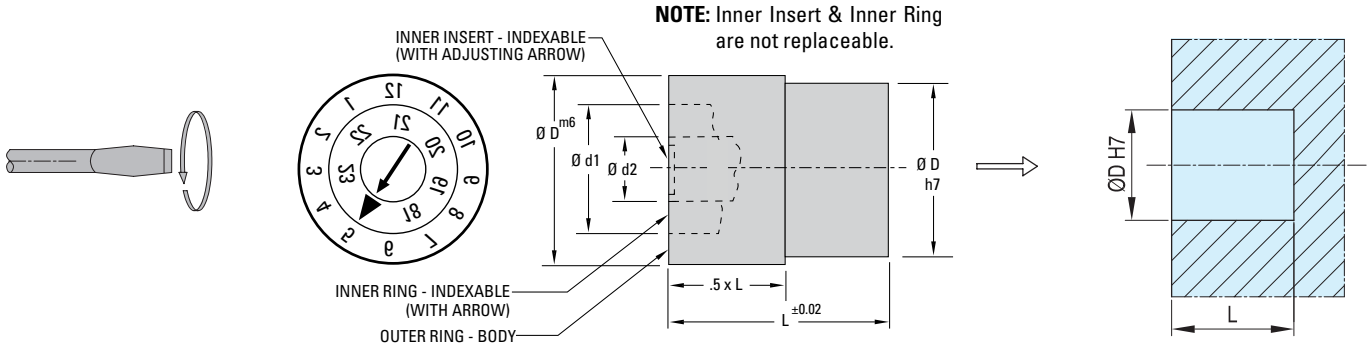






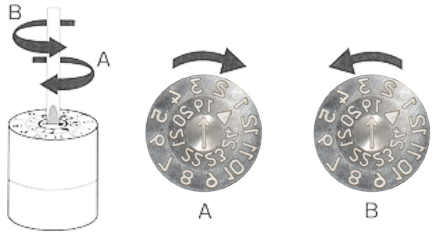
***Specify year. Example: MD062019**

| REF | REF* | Number of years | D | d1 | d2 | L | L/2 |
|---|---|---|---|---|---|---|---|
| **MD060D** | **MD0620*** | 6 | 6 | 3,8 | 1,8 | 10 | 5 |
| **MD080D** | **MD0820*** | 6 | 8 | 5,3 | 2,5 | 10 | 5 |
| **MD100D** | **MD1020*** | 6 | 10 | 6,4 | 3,2 | 12 | 6 |
| **MD160D** | **MD1620*** | 6 | 16 | 10,5 | 5,0 | 14 | 7 |




### Installation and Machining

- Press-fit installation required
- Maintain a close tolerance press fit. Too loose a fit could allow the insert to move out of position, while too tight a press fit might prevent the inner insert and inner ring from rotating when required
- Accurately measure the Ø D for each part and machine hole to provide about 0.005mm (.0002”) press fit




### Structure and Usage

- Method of changing over the indication

1. Changing the year indication. When the center part is turned clockwise (A), only the inside arrow rotates, enables the year to be changed.
2. Changing the month indication. Turning the center part counterclockwise (B) causes both the inside arrow and the second ring to turn simultaneously, enabling the month to be changed.

CAD reference point

## IA SF - IA

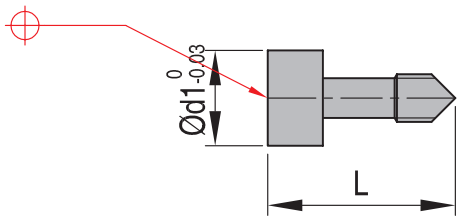
Inner inserts for FA SF - FA 12 - FA

Mat.: Stainless steel
Hardness: 50-55 HRC
Max. T:150°



IA





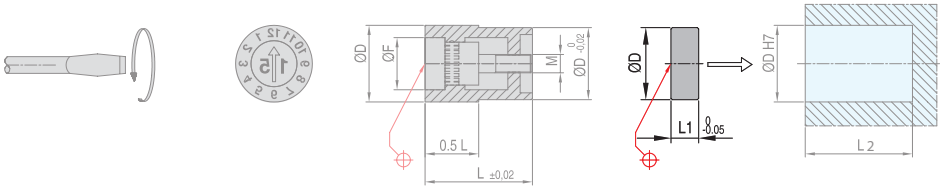

| REF* | d1 | L |
|---|---|---|
| **IA321720*** | 3,2 | 17,0 |
| **IA471720*** | 4,7 | 17,0 |
| **IA571720*** | 5,7 | 17,0 |
| **IA671720*** | 6,7 | 17,0 |
| **IA871720*** | 8,7 | 17,0 |
| **IA100720*** | 10,7 | 17,0 |
| **IA227520*** | 2,2 | 7,5 |
| **IA307520*** | 3,0 | 7,5 |

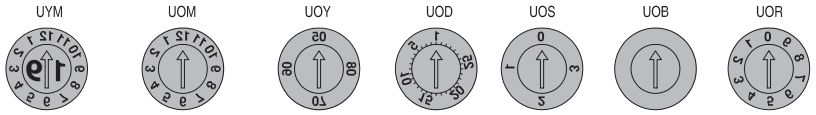
***Specify year. Example: IA32172019**

## Distance washers for UYM, UOM, UOY, UOD, UOS, UOB, UOR

DSF

Mat.: Corrosion resistant steel
Hardness: 50-55 HRC




***Specify year.**
**Example: DSFUYM1904**

| REF | L1 | L2 | REF* | REF | REF* | REF* | REF | REF | REF | D | L | F | M1 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **DSF 0404** | 4 | 12 | **UYM0420**** | **UOM 04** | **UOY0420**** | | **UOS 04** | **UOB 04** | **UOR 04** | 4 | 8 | 2,4 | M1,6x0,2 |
| **DSF 0504** | 4 | 12 | **UYM0520**** | **UOM 05** | **UOY0520**** | | **UOS 05** | **UOB 05** | **UOR 05** | 5 | 8 | 2,9 | M1,6x0,2 |
| **DSF 0612** | 12 | 20 | **UYM0620**** | **UOM 06** | **UOY0620**** | | **UOS 06** | **UOB 06** | **UOR 06** | 6 | 8 | 3,7 | M1,6x0,2 |
| **DSF 0810** | 10 | 20 | **UYM0820**** | **UOM 08** | **UOY0820**** | | **UOS 08** | **UOB 08** | **UOR 08** | 8 | 10 | 5,0 | M2,3x0,25 |
| **DSF 1008** | 8 | 20 | **UYM1020**** | **UOM 10** | **UOY1020**** | | **UOS 10** | **UOB 10** | **UOR 10** | 10 | 12 | 6,3 | M2,5x0,35 |
| **DSF 1206** | 6 | 20 | **UYM1220**** | **UOM 12** | **UOY1220**** | | **UOS 12** | **UOB 12** | **UOR 12** | 12 | 14 | 7,5 | M3x0,35 |
| **DSF 1606** | 6 | 20 | **UYM1620**** | **UOM 16** | **UOY1620**** | **UOD 16** | **UOS 16** | **UOB 16** | **UOR 16** | 16 | 14 | 11,0 | M4x0,35 |
| **DSF 2004** | 4 | 20 | **UYM2020**** | **UOM 20** | **UOY2020**** | **UOD 20** | **UOS 20** | **UOB 20** | **UOR 20** | 20 | 16 | 13,2 | M4x0,35 |

## Screwdriver set

SCR 5

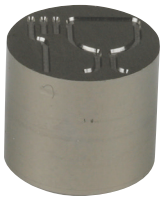
- Set of 5 screw drivers
- Custom made for the complete DME range of date stamps
- Blades made of chrome-vanadium-molybdenum-steel fully hardened and chromium plated for precision and long life
- Ergonomic handle design
- Color coded pivot cap
- Extremely precise fit of the tip

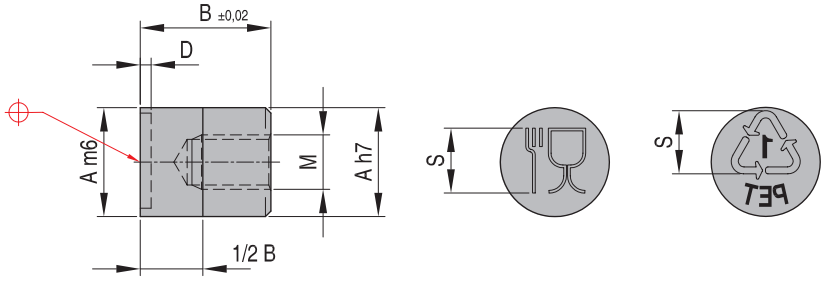


| |  |  | UYM | FYM | YMN | MD |
|---|---|---|---|---|---|---|
| 2x | 1,1 x 0,20 x 60 | | | Ø 2,6 Ø3 | | |
| 1x | 1,6 x 0,15 x 60 | | Ø4 | Ø4 | Ø4 | |
| 1x | 2,3 x 0,20 x 60 | | Ø5 Ø6 | Ø5 Ø6 | Ø5 Ø6 | Ø10 |
| 1x | 3,0 x 0,30 x 60 | | Ø8 | Ø8 | Ø8 | Ø16 |

## MRI

Recycling inserts






Mat.: Stainless steel 48-52 HRC

- With these special inserts and electrodes plastic parts can be marked with useful information during the production process, usage and recycling process, e.g. with data on composition, recycling and purification.

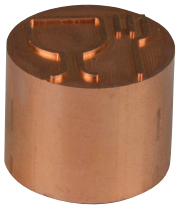
| | REF | A | B | D | M | S | Identification | |
|---|---|---|---|---|---|---|---|---|
| | MRI-0100 | 10 | 12 | 0,3 | M5 | 6 | Arrows only | |
| | MRI-0200 | 16 | 14 | | M6 | 10 | | |
| | MRI-0300 | 20 | 16 | | M6 | 12 | | |
| | MRI-1101 not hardened | 10 | 12 | 0,3 | M5 | 6 | Blank | |
| | MRI-2202 not hardened | 16 | 14 | | M6 | 10 | | |
| | MRI-3303 not hardened | 20 | 16 | | M6 | 12 | | |
| 1 PET | MRI-0101GE | 10 | 12 | 0,3 | M5 | 6 | Polyethylene terephthalate | PET |
| | MRI-0201GE | 16 | 14 | | M6 | 10 | | |
| | MRI-0301GE | 20 | 16 | | M6 | 12 | | |
| 2 HDPE | MRI-0102 | 10 | 12 | 0,3 | M5 | 6 | High density polyethylene | HDPE |
| | MRI-0202 | 16 | 14 | | M6 | 10 | | |
| | MRI-0302 | 20 | 16 | | M6 | 12 | | |
| 2 PE-HD | MRI-0102GE | 10 | 12 | 0,3 | M5 | 6 | High density polyethylene | PE-HD |
| | MRI-0202GE | 16 | 14 | | M6 | 10 | | |
| | MRI-0302GE | 20 | 16 | | M6 | 12 | | |
| 3 PVC | MRI-0103GE | 10 | 12 | 0,3 | M5 | 6 | Polyvinyl chloride | PVC |
| | MRI-0203GE | 16 | 14 | | M6 | 10 | | |
| | MRI-0303GE | 20 | 16 | | M6 | 12 | | |
| 4 LDPE | MRI-0104 | 10 | 12 | 0,3 | M5 | 6 | Low density polyethylene | LDPE |
| | MRI-0204 | 16 | 14 | | M6 | 10 | | |
| | MRI-0304 | 20 | 16 | | M6 | 12 | | |
| 4 PE-LD | MRI-0104GE | 10 | 12 | 0,3 | M5 | 6 | Low density polyethylene | PE-LD |
| | MRI-0204GE | 16 | 14 | | M6 | 10 | | |
| | MRI-0304GE | 20 | 16 | | M6 | 12 | | |
| 4 PE-BD | MRI-0104FR | 10 | 12 | 0,3 | M5 | 6 | Low density polyethylene | PE-BD |
| | MRI-0204FR | 16 | 14 | | M6 | 10 | | |
| | MRI-0304FR | 20 | 16 | | M6 | 12 | | |
| 5 PP | MRI-0105 | 10 | 12 | 0,3 | M5 | 6 | Polypropylene | PP |
| | MRI-0205 | 16 | 14 | | M6 | 10 | | |
| | MRI-0305 | 20 | 16 | | M6 | 12 | | |
| 6 PS | MRI-0106 | 10 | 12 | 0,3 | M5 | 6 | Polystyrene | PS |
| | MRI-0206 | 16 | 14 | | M6 | 10 | | |
| | MRI-0306 | 20 | 16 | | M6 | 12 | | |
| 7 OTHER | MRI-0107 | 10 | 12 | 0,3 | M5 | 6 | All other resins | Other |
| | MRI-0207 | 16 | 14 | | M6 | 10 | | |
| | MRI-0307 | 20 | 16 | | M6 | 12 | | |
| 7 O | MRI-0107GE | 10 | 12 | 0,3 | M5 | 6 | All other resins | O |
| | MRI-0207GE | 16 | 14 | | M6 | 10 | | |
| | MRI-0307GE | 20 | 16 | | M6 | 12 | | |
| | MRI-01010 | 10 | 12 | 0,3 | M5 | 6,15 | Food | |
| | MRI-01016 | 16 | 14 | | M6 | 9,83 | | |
| | MRI-01020 | 20 | 16 | | M6 | 12,3 | | |

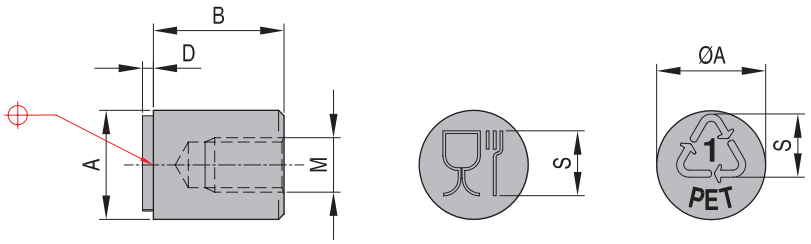
## Recycling electrodes

MRE

Mat.: Electrolitic copper E-Cu

- With these special inserts and electrodes plastic parts can be marked with useful information during the production process, usage and recycling process, e.g. with data on composition, recycling and purification.






| | REF | A | B | D | M | S | Identification | |
|---|---|---|---|---|---|---|---|---|
| | **MRE-0100** | 10 | 12 | 0,3 | M5 | 6 | Arrows only | |
| | **MRE-0200** | 16 | 14 | | M6 | 10 | | |
| | **MRE-0300** | 20 | 16 | | M6 | 12 | | |
| 1 PET | **MRE-0101GE** | 10 | 12 | 0,3 | M5 | 6 | Polyethylene terephthalate | PET |
| | **MRE-0201GE** | 16 | 14 | | M6 | 10 | | |
| | **MRE-0301GE** | 20 | 16 | | M6 | 12 | | |
| 2 HDPE | **MRE-0102** | 10 | 12 | 0,3 | M5 | 6 | High density polyethylene | HDPE |
| | **MRE-0202** | 16 | 14 | | M6 | 10 | | |
| | **MRE-0302** | 20 | 16 | | M6 | 12 | | |
| 2 PE-HD | **MRE-0102GE** | 10 | 12 | 0,3 | M5 | 6 | High density polyethylene | PE-HD |
| | **MRE-0202GE** | 16 | 14 | | M6 | 10 | | |
| | **MRE-0302GE** | 20 | 16 | | M6 | 12 | | |
| 3 PVC | **MRE-0103GE** | 10 | 12 | 0,3 | M5 | 6 | Polyvinyl chloride | PVC |
| | **MRE-0203GE** | 16 | 14 | | M6 | 10 | | |
| | **MRE-0303GE** | 20 | 16 | | M6 | 12 | | |
| 4 LDPE | **MRE-0104** | 10 | 12 | 0,3 | M5 | 6 | Low density polyethylene | LDPE |
| | **MRE-0204** | 16 | 14 | | M6 | 10 | | |
| | **MRE-0304** | 20 | 16 | | M6 | 12 | | |
| 4 PE-LD | **MRE-0104GE** | 10 | 12 | 0,3 | M5 | 6 | Low density polyethylene | PE-LD |
| | **MRE-0204GE** | 16 | 14 | | M6 | 10 | | |
| | **MRE-0304GE** | 20 | 16 | | M6 | 12 | | |
| 4 PE-BD | **MRE-0104FR** | 10 | 12 | 0,3 | M5 | 6 | Low density polyethylene | PE-BD |
| | **MRE-0204FR** | 16 | 14 | | M6 | 10 | | |
| | **MRE-0304FR** | 20 | 16 | | M6 | 12 | | |
| 5 PP | **MRE-0105** | 10 | 12 | 0,3 | M5 | 6 | Polypropylene | PP |
| | **MRE-0205** | 16 | 14 | | M6 | 10 | | |
| | **MRE-0305** | 20 | 16 | | M6 | 12 | | |
| 6 PS | **MRE-0106** | 10 | 12 | 0,3 | M5 | 6 | Polystyrene | PS |
| | **MRE-0206** | 16 | 14 | | M6 | 10 | | |
| | **MRE-0306** | 20 | 16 | | M6 | 12 | | |
| 7 OTHER | **MRE-0107** | 10 | 12 | 0,3 | M5 | 6 | All other resins | Other |
| | **MRE-0207** | 16 | 14 | | M6 | 10 | | |
| | **MRE-0307** | 20 | 16 | | M6 | 12 | | |
| 7 0 | **MRE-0107GE** | 10 | 12 | 0,3 | M5 | 6 | All other resins | O |
| | **MRE-0207GE** | 16 | 14 | | M6 | 10 | | |
| | **MRE-0307GE** | 20 | 16 | | M6 | 12 | | |
| | **MRE-01010** | 10 | 12 | 0,3 | M5 | 6,15 | Food | |
| | **MRE-01016** | 16 | 14 | | M6 | 9,83 | | |
| | **MRE-01020** | 20 | 16 | | M6 | 12,3 | | |

# GENERAL CONDITIONS OF SALE DME EUROPE

**1. CONCLUSION OF CONTRACT - APPLICATION**
The contract is validly entered into and the order is accepted after written confirmation by seller. These sales conditions apply to the exclusion of any other terms or conditions, unless expressly accepted in writing beforehand by the vendor.
Seller has 30 (thirty) days since the reception of the order to accept or to refuse it. During this period, buyer shall not withdraw his order.
Absence of any written confirmation of the order shall only be interpreted as being an implicit acceptance in case of performance of the order by seller.

**2. PAYMENT**
Unless otherwise agreed in writing, invoices are payable in the stated currency within 30 (thirty) days after invoice date to the-bank designated by seller. Transfer charges are for account of buyer.
If buyer does not pay within this term, seller shall automatically have ipso jure and without any prior formal notice, the right to charge legal interest plus 2 % from due date of the invoice. Moreover, in case of late payment, a fixed indemnity corresponding to 10 % of the payable amount shall automatically be due from the first day following the due date, without prejudice to seller's right to prove higher damage and ask for corresponding indemnity. Should payment be in foreign currency, seller has the right to adapt the foreign currency in case of depreciation-of this foreign currency in regard of the euro.
Should payment of the delivered goods be in instalments, the non-payment of one of the instalments gives seller the right to terminate the contract. The payments, which were done until then, shall remain property of seller as indemnity, without prejudice to the right to claim further damages or to the right to require the performance of the contract.
Payment of advance shall not give buyer the right to terminate the contract upon reimbursement of the paid advance, If payment is done by bill of exchange or check, payment is deemed satisfied only when the bill of exchange or the check is honoured.
Place of payment is always Mechelen even if payment is done with bill of exchange.

**3. RETENTION OF TITLE**
Delivered goods remain property of seller until full payment has been received by seller. The sale of an unpaid item by buyer to a third party results in automatic assignment of the debt due by the third party to buyer, inclusively the retention of title, to seller. Seller has then the authority to take any necessary means in order to validly assign towards the third party. Seller may retake unpaid goods at any time and he may inform any client and/or any subcontractor of buyer about the fact that seller is and remains the only owner of the concerned goods until full payment.
The purchaser undertakes to carefully keep the goods that have not been paid for, and undertakes not to pledge them or use them in any other way as a guarantee or security. The purchaser shall inform third parties who may apply any security rights over his assets (such as, but not limited to, the lessor of the premises occupied by the purchaser) that the products are and shall remain the property of the vendor until full payment of all sums owed by the purchaser to the vendor, and in the event of an attachment
or other measures taken by third parties that apply to products for which full payment has not yet been made the purchaser undertakes to immediately inform the vendor of this to enable him to apply his rights.

**4. RISKS**
Notwithstanding the preceding provisions, the risk transfers to buyer as soon as he has the goods at his disposal.

**5. DISPATCHING OF INSIGNIFICANT VALUE**
Each dispatch of less than € 50 will be increased with costs of payments and-may, at sellers option, be sent cash on delivery (COD).

**6. PRICE OFFERS AND PRICE LISTS**
Price offers and price lists are without obligation and are subject to change without any previous notice.
Any information released by seller is delivered in good faith and seller shall not be responsible for the choice of material and goods.

**7. PRICE AND DISPATCHING**
All prices are ex works. Transportation, duties and taxes for account of buyer, unless seller's previous and express written specification to the contrary. Seller shall send goods by the fastest and most economic way at the risks of buyer. Goods may be insured by seller at buyer's option, the insurance premiums are for buyer. Seller is not responsible for the choice of packing.

**8. DELIVERY**
Date of delivery is the date when the goods are ready for inspection at the indicated place. Place of origin is Mechelen, Belgium, or any other place indicated by seller. Seller is not responsible for any late delivery, except those delays due to his own fault or gross negligence.

**9. RETURNING OF GOODS**
No goods can be returned without seller's previous, express and written consent. If buyer commits an error in ordering, the retaking of goods is possible only for inventory standard items. Goods must be returned within 15 (fifteen) days after invoice date and all goods must be in original conditions,' all costs of transport are for buyer, as well as insurance and repacking costs. Special-order goods, marked or used items are non-returnable.

**10. DEFECTS**
Seller warrants defects in material and/or workmanship. Warranty is limited to the replacement or repair, at seller's option, of any merchandise found defective during 1 month. This warranty does not include defects due to buyer's fault or to abnormal use, bad maintenance, imperfect installation, buyer's inadequate repair, unforeseeable circumstances or in case changes were brought to material without previous and express written approval of seller.
Notice of conspicuous defects must be given to seller by registered letter sent within 10 (ten) working days following date of delivery.
Notice of hidden defects must be given to seller by registered letter with in 10 (ten) working days after date of discovery, and in any case, within a 10-month term following date of delivery.
Seller is not responsible for any damage and in particular salary and material costs, losses, loss of profit or loss of a chance incurred by buyer, unless it is demonstrated that defect is due to seller's gross or intentional fault. If seller is responsible for defect, seller has the right either to terminate the contract and to pay back all the invoiced prices or to replace the delivered product within a reasonable term. If goods for repair must be transported, costs and risks of this transport are for buyer.
In case seller is responsible for any damage, this will be limited to the foreseeable damage with a maximum amount corresponding to the amount of the product's invoiced price.
Should a third party lodge a claim against seller to obtain payment of an indemnity for a damage for which seller is not responsible in accordance with the present conditions or for a higher amount than the one seller is responsible for, buyer will warrant seller against those claims.

**11. DESCRIPTION**
Only product descriptions used in seller's latest literature and correspondence with buyer, are binding for description of goods.
Buyer is responsible for using items in conformity with all regulations, including but not limited to, the safety regulations in force at the place of use.

**12. SPECIFIC ORDERS**
For the performance of a special work, the project signed by buyer is binding to the extent it has been accepted by seller.
For the performance of such work, special conditions may be required. In case of any inconsistency between general conditions and special conditions, the special conditions shall apply. Should special conditions be unclear, they shall be interpreted in light of the general conditions.

**13. ACT OF GOD**
Seller shall not pay any damage for non-performance or late performance of his undertakings due to Act of God. Act of God includes in particular and without being limited thereto, strike, lock-out, and the non-performance by seller's suppliers of their undertakings.

**14. VALIDITY AND INDIVIDUAL CLAUSES**
If one or more provisions of these present general conditions are held to be invalid, the remaining provisions will continue to be valid and enforceable, and parties will agree upon other provisions having an economic effect that corresponds closest to the economic effect of the invalid provision(s).

**15. WAIVER**
In case seller does not exercise one of his rights in accordance with the present conditions, this shall not be interpreted as a waiver of these rights.

**16. APPLICABLE LAW – COMPETENT COURTS**
This sales contract will be governed by Belgian law. The competent court is the Commercial Court of Mechelen, without prejudice to seller's right to introduce the case before another competent court.

**AT**
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