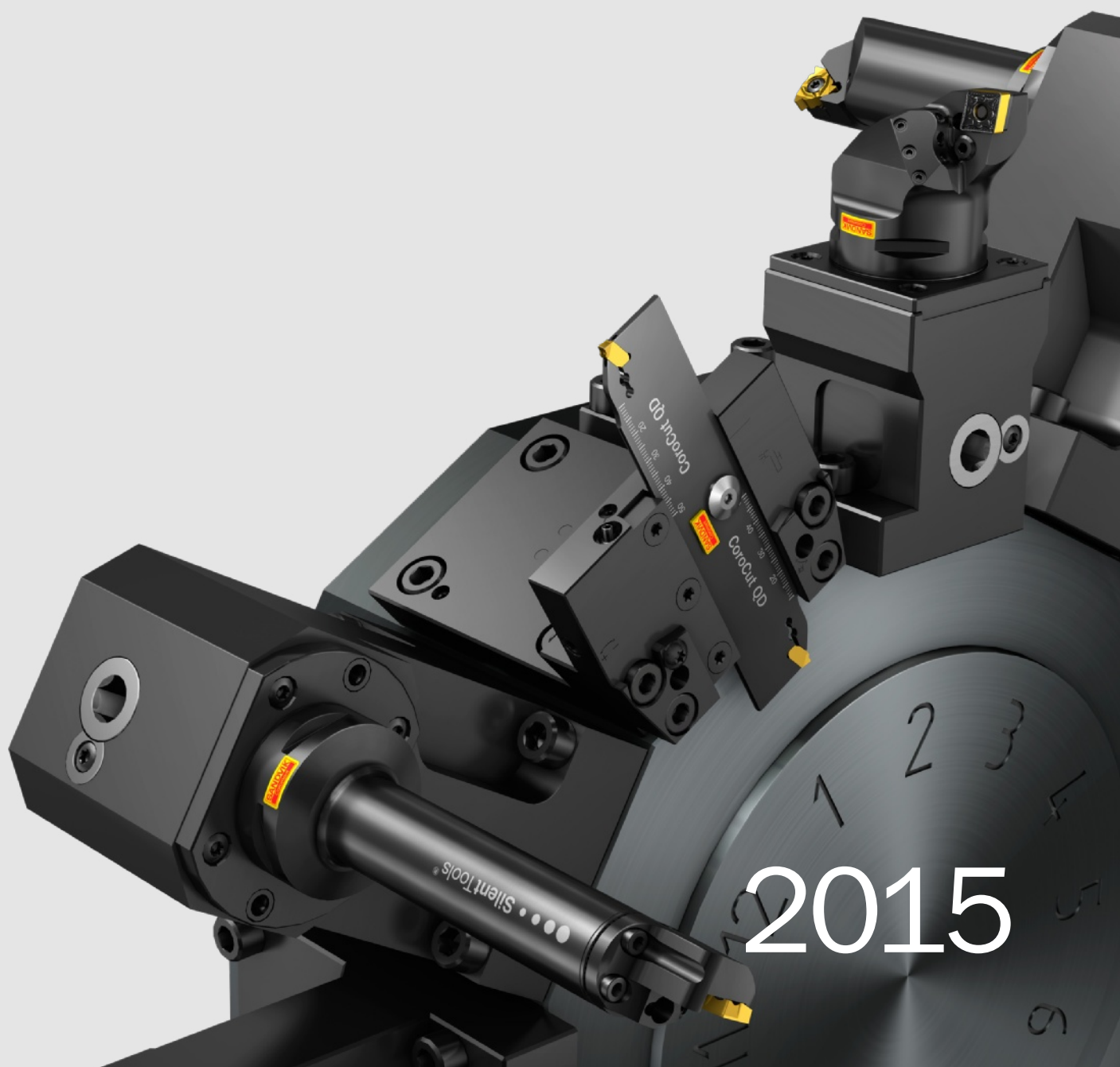


# Turning tools

GENERAL TURNING  
PARTING AND GROOVING  
THREAD TURNING  
MULTIFUNCTIONAL TOOLS  
TOOL HOLDING  
TURNING TOOL ADAPTORS



2015



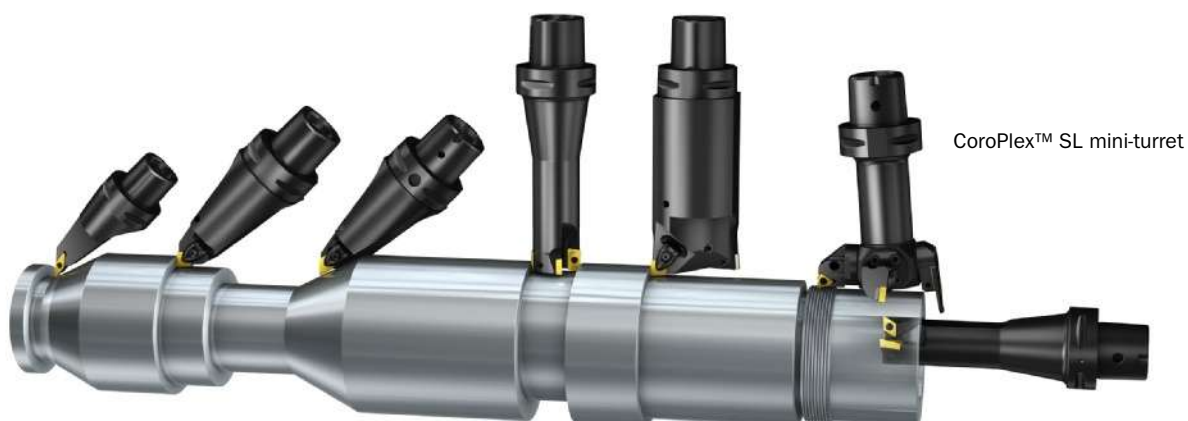
## CoroPlex™ Optimized for multi-task machining



### CoroPlex™ multi-task machining

CoroPlex™ is designed to take full advantage of the efficiency in multi-task machines.

- CoroPlex™ MT – one milling tool and two turning tools in one
- CoroPlex™ TT – two turning tools in one
- CoroPlex™ SL mini-turret – four tools in one for turning, parting, grooving and threading.
- CoroPlex™ TB - combined turning and boring tool



## CoroPlex™ TB

### Multifunctional turning boring bar dedicated for multi-task machines and turning centres.

CoroPlex™ TB is a combined turning and boring tool that will increase your productivity and reduce maintenance costs. With Sandvik Coromant fixed nozzle technology, chip control and longer tool life come in the bargain.

#### High precision coolant

Chip control and longer tool life through fixed nozzle technology.



## CoroPlex™ SL mini-turret

Modular solution for multi-task machining

### One tool for turning, parting, grooving and threading

- Four tools in one
- Available in both radial and axial versions
- Coromant Capto® adaptor with CoroTurn SL cutting heads

See page G18



**Turning**

CoroTurn® 107



**Threading**

CoroThread® 266



**Parting and Grooving**

CoroCut® 1-2

## CoroPlex™ MT

### Multifunctional turning boring bar dedicated for multi-task machines and turning centres.

#### As a CoroTurn® 107 tool

- Face and longitudinal turning
- Profiling
- Internal turning

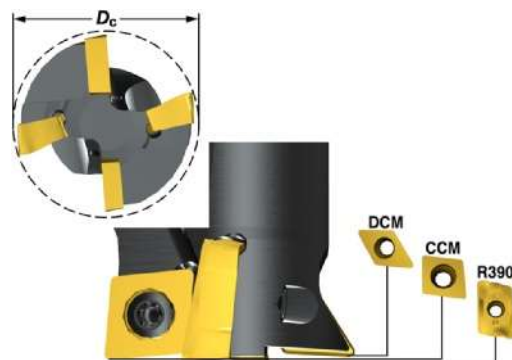
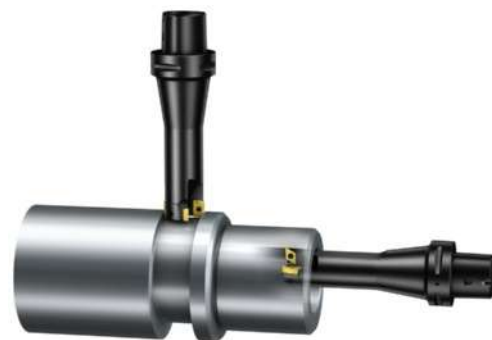
#### As a CoroMill® 390 cutter

- Shoulder milling
- Circular interpolation in helix
- Turn-milling

CCMT, rhombic, 80°, insert size 09 and 12 mm

DCMT, rhombic, 55°, insert size 07 and 11 mm

R390, insert size -11 and -18



## CoroPlex™ TT

Tool optimized for multi-task machining

### Two turning tools in one

#### With tool spindle tilted 45°

- Face and longitudinal turning
- Profiling

#### With tool spindle tilted 90°

- External longitudinal turning
- External face turning
- Internal turning



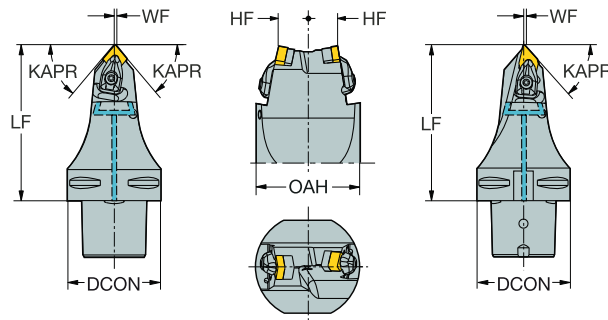
# CoroPlex™ TT multifunctional tool for turning

## Rigid clamp design

Coromant Capto® - Internal coolant supply



- CNMM, CNGP
- CNMG
- CNMA, CNGA



- DNMM, DNGP, DNMX
- DNMG
- DNMA, DNGA

|  |                   |      |      | Ordering code        | Dimensions, mm, inch |       |      |      |             |        | MIID          |
|--|-------------------|------|------|----------------------|----------------------|-------|------|------|-------------|--------|---------------|
|  | CZC <sub>MS</sub> | KAPR | CNSC |                      | DCON                 | LF    | WF   | HF   | OAH         | CP Bar |               |
|  | C5                | 1    |      | C5-T-DCM12DDM15L115  | 50<br>1.969          |       |      |      | 70<br>2.756 | 80 1.8 |               |
|  | 12 1/2            | 50   |      |                      |                      | 115   | 0.5  | 20   |             |        | 3.9           |
|  |                   |      |      |                      |                      | 4.528 | .020 | .787 |             |        | CNMG 12 04 08 |
|  |                   |      |      |                      |                      |       |      |      |             |        | CNMG 432      |
|  | 15 1/2            | 48   |      |                      |                      | 115   | 0.5  | 20   |             |        | 3.9           |
|  |                   |      |      |                      |                      | 4.528 | .020 | .787 |             |        | DNMG 15 06 08 |
|  |                   |      |      |                      |                      |       |      |      |             |        | DNMG 442      |
|  | C6                | 1    |      | C6-T-DCM12DDM15L105  | 63<br>2.480          |       |      |      | 70<br>2.756 | 80 1.8 |               |
|  | 12 1/2            | 50   |      |                      |                      | 105   | 0.5  | 20   |             |        | 3.9           |
|  |                   |      |      |                      |                      | 4.134 | .020 | .787 |             |        | CNMG 12 04 08 |
|  | 15 1/2            | 48   |      |                      |                      | 105   | 0.5  | 20   |             |        | 3.9           |
|  |                   |      |      |                      |                      | 4.134 | .020 | .787 |             |        | DNMG 15 06 08 |
|  |                   |      |      |                      |                      |       |      |      |             |        | DNMG 442      |
|  | C6                | 1    |      | C6-T-DCM12DDM15L130  | 63<br>2.480          |       |      |      | 80          | 2.5    |               |
|  | 12 1/2            | 50   |      |                      |                      | 130   | 0.5  | 20   | 70          |        | 3.9           |
|  |                   |      |      |                      |                      | 5.118 | .020 | .787 | 2.756       |        | CNMG 12 04 08 |
|  |                   |      |      |                      |                      |       |      |      |             |        | CNMG 432      |
|  | 15 1/2            | 48   |      |                      |                      | 130   | 0.5  | 20   | 70          |        | 3.9           |
|  |                   |      |      |                      |                      | 5.118 | .020 | .787 | 2.756       |        | DNMG 15 06 08 |
|  |                   |      |      |                      |                      |       |      |      |             |        | DNMG 442      |
|  | C8                | 1    |      | C8-T-DCM16DDM15L160  | 80<br>3.150          |       |      |      | 80          | 4.7    |               |
|  | 16 5/8            | 50   |      |                      |                      | 160   | 0.5  | 24   |             |        | 3.9           |
|  |                   |      |      |                      |                      | 6.299 | .020 | .945 |             |        | CNMG 12 04 08 |
|  |                   |      |      |                      |                      |       |      |      |             |        | CNMG 543      |
|  | 15 1/2            | 48   |      |                      |                      | 160   | 0.5  | 24   |             |        | 3.9           |
|  |                   |      |      |                      |                      | 6.299 | .020 | .945 |             |        | DNMG 15 06 08 |
|  |                   |      |      |                      |                      |       |      |      |             |        | DNMG 442      |
|  | C10               | 1    |      | C10-T-DCM19DDM15L180 | 100<br>3.937         |       |      |      | 80          | 6.2    |               |
|  | 19 3/4            | 50   |      |                      |                      | 180   | 0.5  | 24   |             |        | 6.4           |
|  |                   |      |      |                      |                      | 7.087 | .020 | .945 |             |        | CNMG 19 06 12 |
|  | 15 1/2            | 48   |      |                      |                      | 180   | 0.5  | 24   |             |        | 3.9           |
|  |                   |      |      |                      |                      | 7.087 | .020 | .945 |             |        | DNMG 15 06 08 |
|  |                   |      |      |                      |                      |       |      |      |             |        | DNMG 442      |



A7



I1



F16



I38



I35

# CoroPlex™ TT multifunctional tool for turning

Rigid clamp design

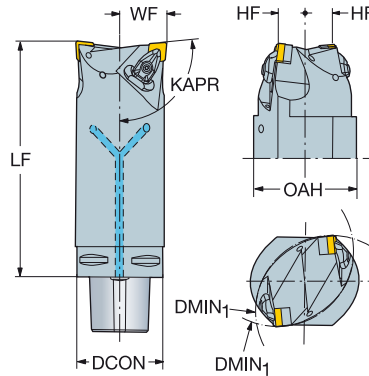
Coromant Capto® - Internal coolant supply

KAPR  
PSIR

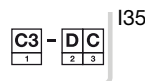
95°  
-5°



- CNMM, CNGP
- CNMG
- CNMA, CNGA



|  |    |     |                   |                   |      | Dimensions, mm, inch |       |       |       |      |       |           |     |     |      | MIID          |
|--|----|-----|-------------------|-------------------|------|----------------------|-------|-------|-------|------|-------|-----------|-----|-----|------|---------------|
|  |    |     | CZC <sub>MS</sub> | DMIN <sub>1</sub> | CNSC | Ordering code        | DCON  | LF    | WF    | HF   | OAH   | CP<br>Bar |     |     | CICT |               |
|  | 12 | 1/2 | C5                | 110               | 1    | C5-T-DCL12DCL12L130  | 50    | 130   | 26    | 20   | 69    | 80        | 3.9 | 2.7 | 2    | CNMG 12 04 08 |
|  |    |     |                   | 4.331             |      |                      | 1.969 | 5.118 | 1.024 | .787 | 2.717 |           |     |     |      | CNMG 432      |
|  | 12 | 1/2 | C6                | 110               | 1    | C6-T-DCL12DCL12L165  | 63    | 165   | 33    | 20   | 75    | 80        | 3.9 | 4.7 | 2    | CNMG 12 04 08 |
|  |    |     |                   | 4.331             |      |                      | 2.480 | 6.496 | 1.299 | .787 | 2.953 |           |     |     |      | CNMG 432      |
|  | 16 | 5/8 | C8                | 115               | 1    | C8-T-DCL16DCL16L200  | 80    | 200   | 33    | 20   | 80    | 80        | 6.4 | 7.0 | 2    | CNMG 16 06 12 |
|  |    |     |                   | 4.528             |      |                      | 3.150 | 7.874 | 1.299 | .787 | 3.150 |           |     |     |      | CNMG 543      |
|  |    |     |                   |                   |      |                      |       |       |       |      |       |           |     |     |      |               |
|  |    |     |                   |                   |      |                      |       |       |       |      |       |           |     |     |      |               |



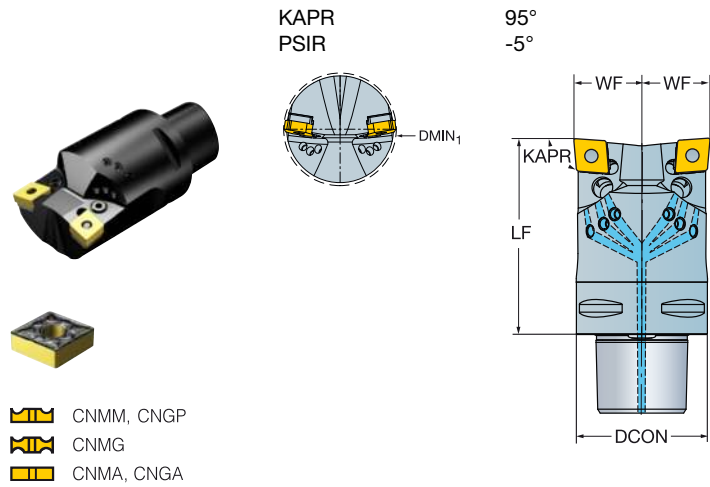
A

CoroPlex™ TB multifunctional tool for turning

B

Lever clamp design  
Coromant Capto® - Internal coolant supply

C



D

|  |                                                                                   |                                                                                   |                   |                   |                    | Dimensions, mm, inch |       |       |      |      |                                                                                            |                                                                                        |                                                                                        |               |               |  |
|------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-------------------|-------------------|--------------------|----------------------|-------|-------|------|------|--------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|---------------|---------------|--|
|                                                                                    |  |  | CZC <sub>MS</sub> | DMIN <sub>1</sub> | CNSC               | Ordering code        | DCON  | LF    | WF   | HF   |  CP Bar |  Kg |  Nm | CICT          | MIID          |  |
|                                                                                    | 12                                                                                | 1/2                                                                               | C4                | 43                | 3                  | C4-TB-CN12CN12-060   | 40    | 60    | 21.0 | 0.0  | 80                                                                                         | 0.5                                                                                    | 5.0                                                                                    | 2             | CNMG 12 04 08 |  |
|                                                                                    |                                                                                   |                                                                                   |                   | 1.693             |                    |                      | 1.575 | 2.362 | .827 | .000 |                                                                                            |                                                                                        |                                                                                        |               |               |  |
|                                                                                    | 12                                                                                | 1/2                                                                               | C5                | 53                | 3                  | C5-TB-CN12CN12-075   | 50    | 75    | 26.0 | 0.0  | 80                                                                                         | 1.0                                                                                    | 5.0                                                                                    | 2             | CNMG 12 04 08 |  |
|                                                                                    |                                                                                   |                                                                                   | 2.087             |                   |                    | 1.969                | 2.953 | 1.024 | .000 |      |                                                                                            |                                                                                        |                                                                                        |               |               |  |
| 12                                                                                 | 1/2                                                                               | C6                                                                                | 66                | 3                 | C6-TB-CN12CN12-090 | 63                   | 90    | 32.0  | 0.0  | 80   | 2.0                                                                                        | 5.0                                                                                    | 2                                                                                      | CNMG 12 04 08 |               |  |
|                                                                                    |                                                                                   |                                                                                   | 2.598             |                   |                    | 2.480                | 3.543 | 1.260 | .000 |      |                                                                                            |                                                                                        |                                                                                        |               |               |  |
|                                                                                    |                                                                                   |                                                                                   |                   |                   |                    |                      |       |       |      |      |                                                                                            |                                                                                        |                                                                                        |               |               |  |
|                                                                                    |                                                                                   |                                                                                   |                   |                   |                    |                      |       |       |      |      |                                                                                            |                                                                                        |                                                                                        |               |               |  |

E

F

G

H

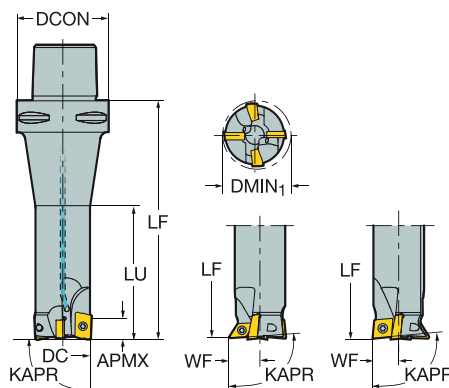
I



# CoroPlex™ MT multifunctional tool for milling and turning

Screw clamp design

Coromant Capto® - Internal coolant supply



|                                                                                    |                                                                                    |                   |    |      |      |                   |      |      |      | Dimensions, mm, inch |                    |       |       |      |      |                                                                                     |                                                                                      |                                                                                      |      |                |       |  |  |
|------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-------------------|----|------|------|-------------------|------|------|------|----------------------|--------------------|-------|-------|------|------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|------|----------------|-------|--|--|
|  |  | CZC <sub>MS</sub> | DC | APMX | ZEFP | DMIN <sub>1</sub> | KAPR | RMPX | CNSC | Ordering code        | DCON               | LU    | LF    | WF   | HF   |  |  |  | RPMX | CICT           | MIID  |  |  |
| C5                                                                                 |                                                                                    |                   |    |      |      |                   |      |      |      | 1                    | M-32C5-39011C09D07 | 50    |       |      |      |                                                                                     |                                                                                      | 80                                                                                   |      | 1.0            | 12000 |  |  |
|                                                                                    |                                                                                    |                   |    |      |      |                   |      |      |      |                      |                    | 1.969 |       |      |      |                                                                                     |                                                                                      |                                                                                      |      |                |       |  |  |
| 11                                                                                 |                                                                                    |                   | 32 | 10   | 2    |                   | 90   | 0    |      |                      |                    | 78.5  | 130   |      |      |                                                                                     | 1.2                                                                                  |                                                                                      | 2    | R390-11        |       |  |  |
|                                                                                    |                                                                                    |                   |    |      |      |                   |      |      |      |                      |                    | 3.091 | 5.118 |      |      |                                                                                     |                                                                                      |                                                                                      |      |                |       |  |  |
| 09                                                                                 | 3/8                                                                                |                   |    |      |      | 35                | 95   | 0    |      |                      |                    | 77.8  | 129.3 | 15.4 | 0.0  |                                                                                     | 3.0                                                                                  |                                                                                      | 1    | CCMT 09 T3 08  |       |  |  |
|                                                                                    |                                                                                    |                   |    |      |      |                   |      |      |      |                      |                    | 3.063 | 5.091 | .606 | .000 |                                                                                     |                                                                                      |                                                                                      |      | CCMT 3 (2.5)   |       |  |  |
| 07                                                                                 | 1/4                                                                                |                   |    |      |      | 35                | 93   | 27   |      |                      |                    | 77.4  | 128.9 | 15.4 | 0.0  |                                                                                     | 0.9                                                                                  |                                                                                      | 1    | DCMT 07 02 04  |       |  |  |
|                                                                                    |                                                                                    |                   |    |      |      |                   |      |      |      |                      |                    | 3.047 | 5.075 | .606 | .000 |                                                                                     |                                                                                      |                                                                                      |      | DCMT 2 (1.5) 1 |       |  |  |
| C6                                                                                 |                                                                                    |                   |    |      |      |                   |      |      |      | 1                    | M-32C6-39011C09D07 | 63    |       |      |      |                                                                                     |                                                                                      | 80                                                                                   |      | 1.7            | 12000 |  |  |
|                                                                                    |                                                                                    |                   |    |      |      |                   |      |      |      |                      |                    | 2.480 |       |      |      |                                                                                     |                                                                                      |                                                                                      |      |                |       |  |  |
| 11                                                                                 |                                                                                    |                   | 32 | 10   | 2    |                   | 90   | 0    |      |                      |                    | 78.5  | 165   |      |      |                                                                                     | 1.2                                                                                  |                                                                                      | 2    | R390-11        |       |  |  |
|                                                                                    |                                                                                    |                   |    |      |      |                   |      |      |      |                      |                    | 3.091 | 6.496 |      |      |                                                                                     |                                                                                      |                                                                                      |      |                |       |  |  |
| 09                                                                                 | 3/8                                                                                |                   |    |      |      | 35                | 95   | 0    |      |                      |                    | 77.8  | 164.3 | 15.4 | 0.0  |                                                                                     | 3.0                                                                                  |                                                                                      | 1    | CCMT 09 T3 08  |       |  |  |
|                                                                                    |                                                                                    |                   |    |      |      |                   |      |      |      |                      |                    | 3.063 | 6.469 | .606 |      |                                                                                     |                                                                                      |                                                                                      |      | CCMT 3 (2.5)   |       |  |  |
| 07                                                                                 | 1/4                                                                                |                   |    |      |      | 35                | 93   | 27   |      |                      |                    | 77.4  | 163.9 | 15.4 | 0.0  |                                                                                     | 0.9                                                                                  |                                                                                      | 1    | DCMT 07 02 04  |       |  |  |
|                                                                                    |                                                                                    |                   |    |      |      |                   |      |      |      |                      |                    | 3.047 | 6.453 | .606 |      |                                                                                     |                                                                                      |                                                                                      |      | DCMT 2 (1.5) 1 |       |  |  |
| C6                                                                                 |                                                                                    |                   |    |      |      |                   |      |      |      | 1                    | M-40C6-39018C12D11 | 63    |       |      |      |                                                                                     |                                                                                      | 80                                                                                   |      | 1.7            | 10000 |  |  |
|                                                                                    |                                                                                    |                   |    |      |      |                   |      |      |      |                      |                    | 2.480 |       |      |      |                                                                                     |                                                                                      |                                                                                      |      |                |       |  |  |
| 18                                                                                 |                                                                                    |                   | 40 | 10   | 2    |                   | 90   | 0    |      |                      |                    | 90.1  | 165   |      |      |                                                                                     | 1.2                                                                                  |                                                                                      | 2    | R390-18        |       |  |  |
|                                                                                    |                                                                                    |                   |    |      |      |                   |      |      |      |                      |                    | 3.547 | 6.496 |      |      |                                                                                     |                                                                                      |                                                                                      |      |                |       |  |  |
| 12                                                                                 | 1/2                                                                                |                   |    |      |      | 43                | 95   | 0    |      |                      |                    | 89.5  | 164.4 | 19.0 | 0.0  |                                                                                     | 3.0                                                                                  |                                                                                      | 1    | CCMT 12 04 08  |       |  |  |
|                                                                                    |                                                                                    |                   |    |      |      |                   |      |      |      |                      |                    | 3.524 | 6.472 | .748 | .000 |                                                                                     |                                                                                      |                                                                                      |      | CCMT 432       |       |  |  |
| 11                                                                                 | 3/8                                                                                |                   |    |      |      | 43                | 93   | 27   |      |                      |                    | 89    | 163.9 | 19.2 | 0.0  |                                                                                     | 0.9                                                                                  |                                                                                      | 1    | DCMT 11 T3 04  |       |  |  |
|                                                                                    |                                                                                    |                   |    |      |      |                   |      |      |      |                      |                    | 3.504 | 6.453 | .756 | .000 |                                                                                     |                                                                                      |                                                                                      |      | DCMT 3 (2.5) 1 |       |  |  |
| C8                                                                                 |                                                                                    |                   |    |      |      |                   |      |      |      | 1                    | M-40C8-39018C12D11 | 80    |       |      |      |                                                                                     |                                                                                      | 80                                                                                   |      | 3.3            | 10000 |  |  |
|                                                                                    |                                                                                    |                   |    |      |      |                   |      |      |      |                      |                    | 3.150 |       |      |      |                                                                                     |                                                                                      |                                                                                      |      |                |       |  |  |
| 18                                                                                 |                                                                                    |                   | 40 | 10   | 2    |                   | 90   | 0    |      |                      |                    | 90.1  | 200   |      |      |                                                                                     | 1.2                                                                                  |                                                                                      | 2    | R390-18        |       |  |  |
|                                                                                    |                                                                                    |                   |    |      |      |                   |      |      |      |                      |                    | 3.547 | 7.874 |      |      |                                                                                     |                                                                                      |                                                                                      |      |                |       |  |  |
| 12                                                                                 | 1/2                                                                                |                   |    |      |      | 43                | 95   | 0    |      |                      |                    | 89.5  | 199.4 | 19.0 | 0.0  |                                                                                     | 3.0                                                                                  |                                                                                      | 1    | CCMT 12 04 08  |       |  |  |
|                                                                                    |                                                                                    |                   |    |      |      |                   |      |      |      |                      |                    | 3.524 | 7.850 | .748 | .000 |                                                                                     |                                                                                      |                                                                                      |      | CCMT 432       |       |  |  |
| 11                                                                                 | 3/8                                                                                |                   |    |      |      | 43                | 93   | 27   |      |                      |                    | 89    | 198.9 | 19.2 | 0.0  |                                                                                     | 0.9                                                                                  |                                                                                      | 1    | DCMT 11 T3 04  |       |  |  |
|                                                                                    |                                                                                    |                   |    |      |      |                   |      |      |      |                      |                    | 3.504 | 7.831 | .756 | .000 |                                                                                     |                                                                                      |                                                                                      |      | DCMT 3 (2.5) 1 |       |  |  |



A7



I1



F16



I38