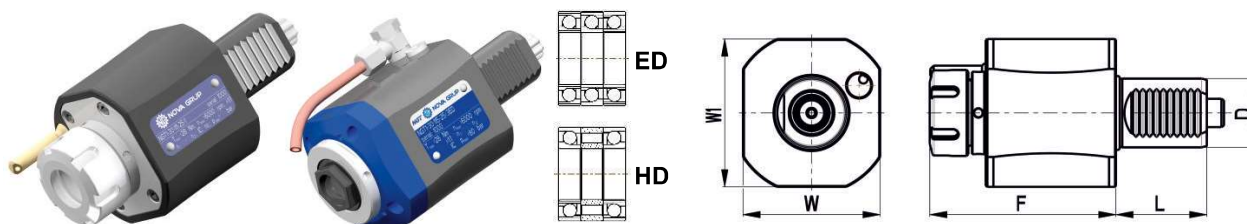


# SAUTER TURRET DIN 5482

## Straight drilling and milling head



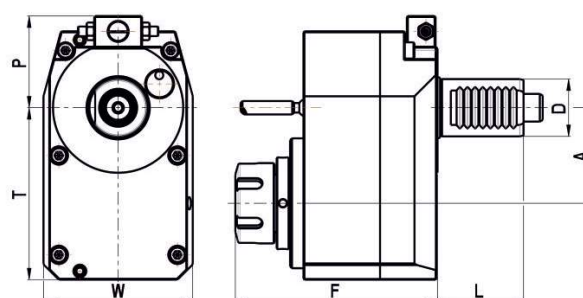
Direction of rotation: 



| Code               | D  | Tool grip | Internal Cooling | F    | L  | W  | W1 | Torque [Nm] | Speed [rpm] | Ratio | P [bar] |
|--------------------|----|-----------|------------------|------|----|----|----|-------------|-------------|-------|---------|
| NGT1-30/111-25/1   | 30 | ER25      | no               | 90   | 45 | 64 | 68 | 28          | 6000        | 1:1   | -       |
| NGT1-30/111-25/2   | 30 | ER25      | yes              | 90   | 45 | 64 | 68 | 28          | 6000        | 1:1   | 20      |
| NGT1-40/111-25/1   | 40 | ER25      | no               | 106  | 53 | 80 | 86 | 50          | 6000        | 1:1   | -       |
| NGT1-40/111-25/2   | 40 | ER25      | yes              | 106  | 53 | 80 | 86 | 50          | 6000        | 1:1   | 20      |
| NGT1-40/111-32/1   | 40 | ER32      | no               | 109  | 53 | 80 | 86 | 50          | 6000        | 1:1   | -       |
| NGT1-40/111-32/2   | 40 | ER32      | yes              | 109  | 53 | 80 | 86 | 50          | 6000        | 1:1   | 20      |
| NGT1-30/115-25/3ED | 30 | ER25      | yes              | 88,5 | 45 | 67 | 67 | 28          | 6000        | 1:1   | 80      |
| NGT1-30/115-25/3HD | 30 | ER25      | yes              | 88,5 | 45 | 67 | 67 | 28          | 6000        | 1:1   | 80      |
| NGT1-40/115-25/3ED | 40 | ER25      | yes              | 93,5 | 53 | 79 | 79 | 50          | 6000        | 1:1   | 80      |
| NGT1-40/115-25/3HD | 40 | ER25      | yes              | 93,5 | 53 | 79 | 79 | 50          | 6000        | 1:1   | 80      |
| NGT1-40/115-32/3ED | 40 | ER32      | yes              | 93,5 | 53 | 79 | 79 | 50          | 6000        | 1:1   | 80      |
| NGT1-40/115-32/3HD | 40 | ER32      | yes              | 93,5 | 53 | 79 | 79 | 50          | 6000        | 1:1   | 80      |
| NGT1-50/111-32/1   | 50 | ER32      | no               | 114  | 71 | 88 | 88 | 80          | 6000        | 1:1   | -       |
| NGT1-50/111-32/2   | 50 | ER32      | yes              | 114  | 71 | 88 | 88 | 80          | 6000        | 1:1   | 20      |
| NGT1-50/111-40/1   | 50 | ER40      | no               | 116  | 71 | 88 | 88 | 80          | 6000        | 1:1   | -       |
| NGT1-50/111-40/2   | 50 | ER40      | yes              | 116  | 71 | 88 | 88 | 80          | 6000        | 1:1   | 20      |

## Offset straight drilling and milling head

Direction of rotation: 



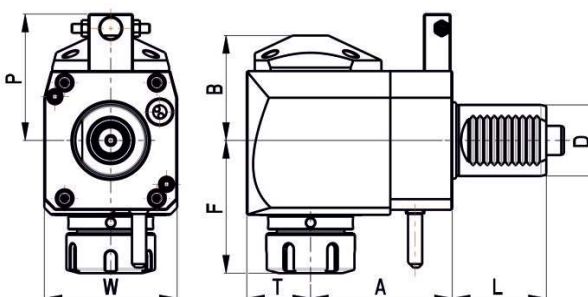
| Code                       | D  | Tool grip | Internal Cooling | Direction | A  | F   | L  | P  | T  | W  | Torque [Nm] | Speed [rpm] | Ratio |
|----------------------------|----|-----------|------------------|-----------|----|-----|----|----|----|----|-------------|-------------|-------|
| NGT1-30/311-25/1.1-50(1:2) | 30 | ER25      | no               | right     | 50 | 108 | 45 | 48 | 90 | 78 | 14          | 12000       | 1:2   |
| NGT1-30/311-25/1.1-50(2:1) | 30 | ER25      | no               | right     | 50 | 108 | 45 | 48 | 90 | 78 | 40          | 3000        | 2:1   |

# SAUTER TURRET DIN 5482

## Angular drilling and milling head



Direction of rotation:  



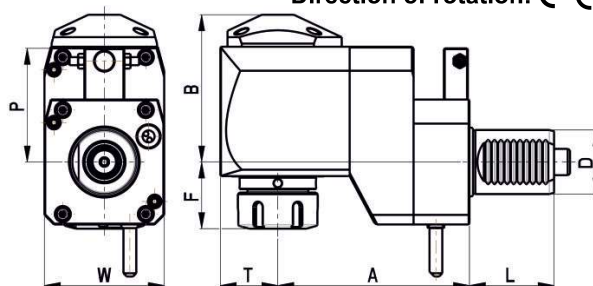
| Code                   | D  | Tool grip | IC  | Direction  | A   | B  | F   | L  | P  | T  | W  | Torque [Nm] | Speed [rpm] | Ratio | P [bar] |
|------------------------|----|-----------|-----|------------|-----|----|-----|----|----|----|----|-------------|-------------|-------|---------|
| NGT1-30/211-25/3.1-55  | 30 | ER25      | yes | right      | 55  | 61 | 65  | 45 | 48 | 29 | 64 | 28          | 6000        | 1:1   | 80      |
| NGT1-30/211-25/3.2-55  | 30 | ER25      | yes | left       | 55  | 61 | 65  | 45 | 48 | 29 | 64 | 28          | 6000        | 1:1   | 80      |
| NGT1-30/211-25/1.2-55  | 30 | ER25      | no  | left       | 55  | 48 | 65  | 45 | 48 | 29 | 64 | 28          | 6000        | 1:1   | -       |
| NGT1-30/211-25/2.2-55  | 30 | ER25      | yes | left       | 55  | 51 | 65  | 45 | 48 | 29 | 64 | 28          | 6000        | 1:1   | 20      |
| NGT1-30/211-25/1.1-55  | 30 | ER25      | no  | right      | 55  | 48 | 65  | 45 | 48 | 29 | 64 | 28          | 6000        | 1:1   | -       |
| NGT1-30/211-25/2.1-55  | 30 | ER25      | yes | right      | 55  | 51 | 65  | 45 | 48 | 29 | 64 | 28          | 6000        | 1:1   | 20      |
| NGT1-40/211-25/1.1-80  | 40 | ER25      | no  | right      | 80  | 59 | 72  | 53 | 71 | 36 | 75 | 50          | 6000        | 1:1   | -       |
| NGT1-40/211-25/2.1-80  | 40 | ER25      | yes | right      | 80  | 62 | 72  | 53 | 71 | 36 | 75 | 50          | 6000        | 1:1   | 20      |
| NGT1-40/211-32/1.1-80  | 40 | ER32      | no  | right      | 80  | 59 | 75  | 53 | 71 | 36 | 75 | 50          | 6000        | 1:1   | -       |
| NGT1-40/211-32/2.1-80  | 40 | ER32      | yes | right      | 80  | 62 | 75  | 53 | 71 | 36 | 75 | 50          | 6000        | 1:1   | 20      |
| NGT1-40/211-25/1.2-80  | 40 | ER25      | no  | left       | 80  | 59 | 72  | 53 | 71 | 36 | 75 | 50          | 6000        | 1:1   | -       |
| NGT1-40/211-25/2.2-80  | 40 | ER25      | yes | left       | 80  | 62 | 72  | 53 | 71 | 36 | 75 | 50          | 6000        | 1:1   | 20      |
| NGT1-40/211-32/1.2-80  | 40 | ER32      | no  | left       | 80  | 59 | 75  | 53 | 71 | 36 | 75 | 50          | 6000        | 1:1   | -       |
| NGT1-40/211-32/2.2-80  | 40 | ER32      | yes | left       | 80  | 62 | 75  | 53 | 71 | 36 | 75 | 50          | 6000        | 1:1   | 20      |
| NGT1-40/211-25/3.1-80  | 40 | ER32      | yes | right      | 80  | 72 | 75  | 53 | 71 | 36 | 75 | 50          | 6000        | 1:1   | 80      |
| NGT1-40/211-25/3.2-80  | 40 | ER25      | yes | left       | 80  | 72 | 72  | 53 | 71 | 36 | 75 | 50          | 6000        | 1:1   | 80      |
| NGT1-40/211-32/3.2-80  | 40 | ER32      | yes | left       | 80  | 72 | 75  | 53 | 71 | 36 | 75 | 50          | 6000        | 1:1   | 80      |
| NGT1-50/211-32/1.1-110 | 50 | ER32      | no  | right      | 110 | 64 | 117 | 71 | 83 | 42 | 88 | 80          | 6000        | 1:1   | -       |
| NGT1-50/211-32/2.1-110 | 50 | ER32      | yes | right      | 110 | 64 | 117 | 71 | 83 | 42 | 88 | 80          | 6000        | 1:1   | 20      |
| NGT1-50/211-32/3.1-110 | 50 | ER32      | yes | right      | 110 | 75 | 117 | 71 | 83 | 42 | 88 | 80          | 6000        | 1:1   | 80      |
| NGT1-50/211-40/1.1-110 | 50 | ER40      | no  | right      | 110 | 64 | 119 | 71 | 83 | 42 | 88 | 80          | 6000        | 1:1   | -       |
| NGT1-50/211-40/2.1-110 | 50 | ER40      | yes | right      | 110 | 64 | 119 | 71 | 83 | 42 | 88 | 80          | 6000        | 1:1   | 20      |
| NGT1-50/211-40/3.1-110 | 50 | ER40      | yes | right      | 110 | 75 | 119 | 71 | 83 | 42 | 88 | 80          | 6000        | 1:1   | 80      |
| NGT1-50/211-32/1.2-110 | 50 | ER32      | no  | left       | 110 | 64 | 117 | 71 | 83 | 42 | 88 | 80          | 6000        | 1:1   | -       |
| NGT1-50/211-32/2.2-110 | 50 | ER32      | yes | left       | 110 | 64 | 117 | 71 | 83 | 42 | 88 | 80          | 6000        | 1:1   | 20      |
| NGT1-50/211-32/3.2-110 | 50 | ER32      | yes | left       | 110 | 75 | 117 | 71 | 83 | 42 | 88 | 80          | 6000        | 1:1   | 80      |
| NGT1-50/211-40/1.2-110 | 50 | ER40      | no  | left       | 110 | 64 | 119 | 71 | 83 | 42 | 88 | 80          | 6000        | 1:1   | -       |
| NGT1-50/211-40/2.2-110 | 50 | ER40      | yes | left       | 110 | 64 | 119 | 71 | 83 | 42 | 88 | 80          | 6000        | 1:1   | 20      |
| NGT1-50/211-40/3.2-110 | 50 | ER40      | yes | left       | 110 | 75 | 119 | 71 | 83 | 42 | 88 | 80          | 6000        | 1:1   | 80      |
| NGT1-50/211-32/1.3-110 | 50 | ER32      | no  | right/left | 110 | 64 | 117 | 71 | 83 | 42 | 88 | 80          | 6000        | 1:1   | -       |
| NGT1-50/211-32/2.3-110 | 50 | ER32      | yes | right/left | 110 | 64 | 117 | 71 | 83 | 42 | 88 | 80          | 6000        | 1:1   | 20      |
| NGT1-50/211-32/3.3-110 | 50 | ER32      | yes | right/left | 110 | 75 | 117 | 71 | 83 | 42 | 88 | 80          | 6000        | 1:1   | 80      |
| NGT1-50/211-40/1.3-110 | 50 | ER40      | no  | right/left | 110 | 64 | 119 | 71 | 83 | 42 | 88 | 80          | 6000        | 1:1   | -       |
| NGT1-50/211-40/2.3-110 | 50 | ER40      | yes | right/left | 110 | 64 | 119 | 71 | 83 | 42 | 88 | 80          | 6000        | 1:1   | 20      |
| NGT1-50/211-40/3.3-110 | 50 | ER40      | yes | right/left | 110 | 75 | 119 | 71 | 83 | 42 | 88 | 80          | 6000        | 1:1   | 80      |

# SAUTER TURRET DIN 5482

## Offset angular drilling and milling head



Direction of rotation:

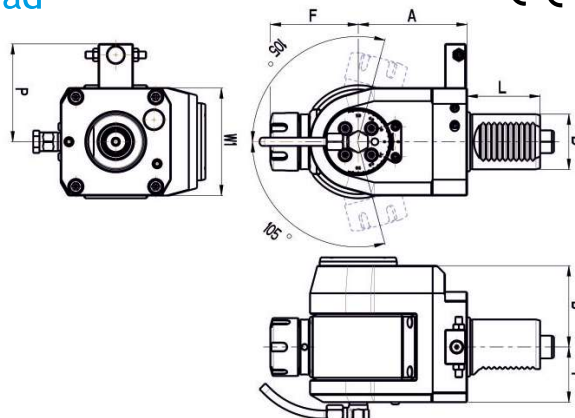


| Code                   | D  | Tool grip | Internal Cooling | Direction | A   | B   | F  | L  | P  | T  | W  | Torque [Nm] | Speed [rpm] | Ratio | P [bar] |
|------------------------|----|-----------|------------------|-----------|-----|-----|----|----|----|----|----|-------------|-------------|-------|---------|
| NGT1-30/411-25/1.1-75  | 30 | ER25      | no               | right     | 75  | 71  | 42 | 45 | 48 | 29 | 64 | 28          | 6000        | 1:1   | -       |
| NGT1-30/411-25/2.1-75  | 30 | ER25      | yes              | right     | 75  | 74  | 42 | 45 | 48 | 29 | 64 | 28          | 6000        | 1:1   | 20      |
| NGT1-30/411-25/1.2-75  | 30 | ER25      | no               | left      | 75  | 71  | 42 | 45 | 48 | 29 | 64 | 28          | 6000        | 1:1   | -       |
| NGT1-30/411-25/2.2-75  | 30 | ER25      | yes              | left      | 75  | 74  | 42 | 45 | 48 | 29 | 64 | 28          | 6000        | 1:1   | 20      |
| NGT1-40/411-25/1.1-120 | 40 | ER25      | no               | right     | 120 | 92  | 39 | 53 | 71 | 36 | 75 | 50          | 6000        | 1:1   | -       |
| NGT1-40/411-25/2.1-120 | 40 | ER25      | yes              | right     | 120 | 95  | 39 | 53 | 71 | 36 | 75 | 50          | 6000        | 1:1   | 20      |
| NGT1-40/411-32/1.1-120 | 40 | ER32      | no               | right     | 120 | 92  | 42 | 53 | 71 | 36 | 75 | 50          | 6000        | 1:1   | -       |
| NGT1-40/411-32/2.1-120 | 40 | ER32      | yes              | right     | 120 | 95  | 42 | 53 | 71 | 36 | 75 | 50          | 6000        | 1:1   | 20      |
| NGT1-30/411-25/3.1-75  | 30 | ER25      | yes              | right     | 75  | 84  | 42 | 45 | 48 | 29 | 64 | 28          | 6000        | 1:1   | 80      |
| NGT1-30/411-25/3.2-75  | 30 | ER25      | yes              | left      | 75  | 84  | 42 | 45 | 48 | 29 | 64 | 28          | 6000        | 1:1   | 80      |
| NGT1-40/411-25/3.1-120 | 40 | ER25      | yes              | right     | 120 | 105 | 39 | 53 | 71 | 36 | 75 | 50          | 6000        | 1:1   | 80      |
| NGT1-40/411-32/3.1-120 | 40 | ER32      | yes              | right     | 120 | 105 | 42 | 53 | 71 | 36 | 75 | 50          | 6000        | 1:1   | 80      |

## Variable angle drilling and milling head



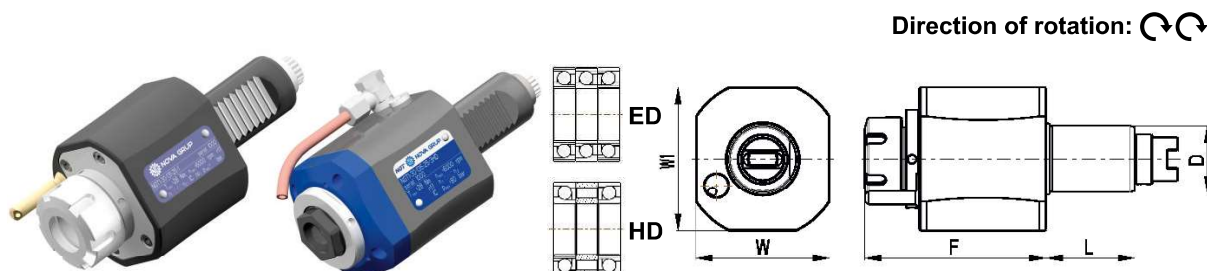
Direction of rotation:



| Code               | D  | Tool grip | Internal Cooling | Direction | A  | B  | F  | L  | P  | T  | W1 | Torque [Nm] | Speed [rpm] | Ratio | P [bar] |
|--------------------|----|-----------|------------------|-----------|----|----|----|----|----|----|----|-------------|-------------|-------|---------|
| NGT1-30/515-16/1   | 30 | ER16      | no               | right     | 79 | 59 | 45 | 45 | 48 | 40 | 64 | 16          | 6000        | 1:1   | -       |
| NGT1-30/515-16/2   | 30 | ER16      | yes              | right     | 86 | 59 | 45 | 45 | 48 | 40 | 64 | 16          | 6000        | 1:1   | 20      |
| NGT1-30/511-25/1   | 30 | ER25      | no               | right     | 79 | 59 | 65 | 45 | 48 | 40 | 64 | 16          | 6000        | 1:1   | -       |
| NGT1-30/511-25/2   | 30 | ER25      | yes              | right     | 86 | 59 | 65 | 45 | 48 | 40 | 64 | 16          | 6000        | 1:1   | 20      |
| NGT1-40/511-25/1   | 40 | ER25      | no               | right     | 79 | 59 | 65 | 53 | 71 | 40 | 78 | 16          | 6000        | 1:1   | -       |
| NGT1-40/511-25/2   | 40 | ER25      | yes              | right     | 86 | 59 | 65 | 53 | 71 | 40 | 78 | 16          | 6000        | 1:1   | 20      |
| NGT1-30/515-16.1.2 | 30 | ER16      | no               | left      | 79 | 59 | 45 | 45 | 48 | 40 | 64 | 16          | 6000        | 1:1   | -       |
| NGT1-30/515-16.2.2 | 30 | ER16      | yes              | left      | 86 | 59 | 45 | 45 | 48 | 40 | 64 | 16          | 6000        | 1:1   | 20      |
| NGT1-30/511-25.1.2 | 30 | ER25      | no               | left      | 79 | 59 | 65 | 45 | 48 | 40 | 64 | 16          | 6000        | 1:1   | -       |
| NGT1-30/511-25.2.2 | 30 | ER25      | yes              | left      | 86 | 59 | 65 | 45 | 48 | 40 | 64 | 16          | 6000        | 1:1   | 20      |
| NGT1-40/511-25.1.2 | 40 | ER25      | no               | left      | 79 | 59 | 65 | 53 | 71 | 40 | 78 | 16          | 6000        | 1:1   | -       |
| NGT1-40/511-25.2.2 | 40 | ER25      | yes              | left      | 86 | 59 | 65 | 53 | 71 | 40 | 78 | 16          | 6000        | 1:1   | 20      |
| NGT1-50/511-25.1   | 50 | ER25      | no               | right     | 79 | 59 | 65 | 71 | 83 | 44 | 94 | 16          | 6000        | 1:1   | -       |
| NGT1-50/511-25.2   | 50 | ER25      | yes              | right     | 86 | 59 | 65 | 71 | 83 | 44 | 94 | 16          | 6000        | 1:1   | 20      |
| NGT1-50/511-25.1.2 | 50 | ER25      | no               | left      | 79 | 59 | 65 | 71 | 83 | 44 | 94 | 16          | 6000        | 1:1   | -       |
| NGT1-50/511-25.2.2 | 50 | ER25      | yes              | left      | 86 | 59 | 65 | 71 | 83 | 44 | 94 | 16          | 6000        | 1:1   | 20      |

# SAUTER TURRET DIN 5480

## Straight drilling and milling head



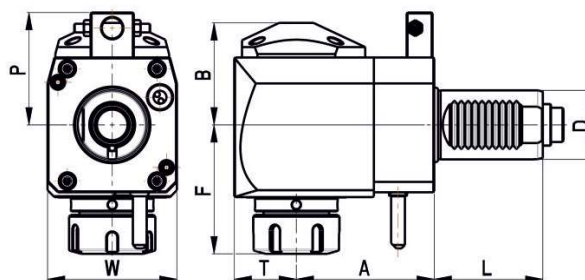
| Code               | D  | Tool grip | Internal Cooling | F    | L  | W  | W1 | Torque [Nm] | Speed [rpm] | Ratio | P [bar] |
|--------------------|----|-----------|------------------|------|----|----|----|-------------|-------------|-------|---------|
| NGT1-30/131-25/1   | 30 | ER25      | no               | 90   | 55 | 64 | 68 | 28          | 6000        | 1:1   | -       |
| NGT1-30/131-25/2   | 30 | ER25      | yes              | 90   | 55 | 64 | 68 | 28          | 6000        | 1:1   | 20      |
| NGT1-40/131-25/1   | 40 | ER25      | no               | 106  | 63 | 80 | 86 | 50          | 6000        | 1:1   | -       |
| NGT1-40/131-25/2   | 40 | ER25      | yes              | 106  | 63 | 80 | 86 | 50          | 6000        | 1:1   | 20      |
| NGT1-40/131-32/1   | 40 | ER32      | no               | 109  | 63 | 80 | 86 | 50          | 6000        | 1:1   | -       |
| NGT1-40/131-32/2   | 40 | ER32      | yes              | 109  | 63 | 80 | 86 | 50          | 6000        | 1:1   | 20      |
| NGT1-30/135-25/3ED | 30 | ER25      | yes              | 88.5 | 55 | 67 | 67 | 28          | 6000        | 1:1   | 80      |
| NGT1-30/135-25/3HD | 30 | ER25      | yes              | 88.5 | 55 | 67 | 67 | 28          | 6000        | 1:1   | 80      |
| NGT1-40/135-25/3ED | 40 | ER25      | yes              | 93.5 | 63 | 79 | 79 | 50          | 6000        | 1:1   | 80      |
| NGT1-40/135-25/3HD | 40 | ER25      | yes              | 93.5 | 63 | 79 | 79 | 50          | 6000        | 1:1   | 80      |
| NGT1-40/135-32/3ED | 40 | ER32      | yes              | 93.5 | 63 | 79 | 79 | 50          | 6000        | 1:1   | 80      |
| NGT1-40/135-32/3HD | 40 | ER32      | yes              | 93.5 | 63 | 79 | 79 | 50          | 6000        | 1:1   | 80      |
| NGT1-50/131-32/1   | 50 | ER32      | no               | 114  | 78 | 88 | 88 | 80          | 6000        | 1:1   | -       |
| NGT1-50/131-32/2   | 50 | ER32      | yes              | 114  | 78 | 88 | 88 | 80          | 6000        | 1:1   | 20      |
| NGT1-50/131-40/1   | 50 | ER40      | no               | 116  | 78 | 88 | 88 | 80          | 6000        | 1:1   | -       |
| NGT1-50/131-40/2   | 50 | ER40      | yes              | 116  | 78 | 88 | 88 | 80          | 6000        | 1:1   | 20      |

# SAUTER TURRET DIN 5480

## Angular drilling and milling head



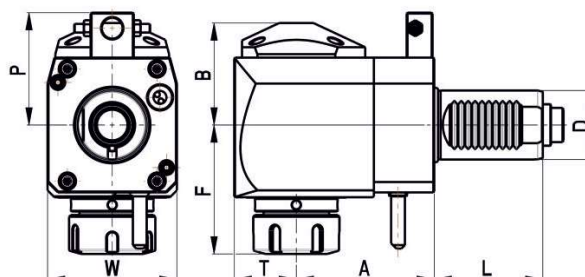
Direction of rotation: 



| Code                   | D  | Tool grip | IC  | Direction  | A   | B  | F  | L  | P  | T  | W  | Torque [Nm] | Speed [rpm] | Ratio | P [bar] |
|------------------------|----|-----------|-----|------------|-----|----|----|----|----|----|----|-------------|-------------|-------|---------|
| NGT1-30/231-25/1.1-55  | 30 | ER25      | no  | right      | 55  | 48 | 65 | 55 | 56 | 29 | 64 | 28          | 6000        | 1:1   | -       |
| NGT1-30/231-25/2.1-55  | 30 | ER25      | yes | right      | 55  | 51 | 65 | 55 | 56 | 29 | 64 | 28          | 6000        | 1:1   | 20      |
| NGT1-30/231-25/1.1-85  | 30 | ER25      | no  | right      | 85  | 48 | 65 | 55 | 56 | 29 | 64 | 28          | 6000        | 1:1   | -       |
| NGT1-30/231-25/2.1-85  | 30 | ER25      | yes | right      | 85  | 51 | 65 | 55 | 56 | 29 | 64 | 28          | 6000        | 1:1   | 20      |
| NGT1-30/231-25/1.1-100 | 30 | ER25      | no  | right      | 100 | 48 | 65 | 55 | 56 | 29 | 64 | 28          | 6000        | 1:1   | -       |
| NGT1-30/231-25/2.1-100 | 30 | ER25      | yes | right      | 100 | 51 | 65 | 55 | 56 | 29 | 64 | 28          | 6000        | 1:1   | 20      |
| NGT1-30/231-25/2.2-100 | 30 | ER25      | yes | left       | 100 | 51 | 65 | 55 | 56 | 29 | 64 | 28          | 6000        | 1:1   | 20      |
| NGT1-30/231-25/1.2-100 | 30 | ER25      | no  | left       | 100 | 48 | 65 | 55 | 56 | 29 | 64 | 28          | 6000        | 1:1   | -       |
| NGT1-30/231-25/1.2-55  | 30 | ER25      | no  | left       | 55  | 48 | 65 | 55 | 56 | 29 | 64 | 28          | 6000        | 1:1   | -       |
| NGT1-30/231-25/2.2-55  | 30 | ER25      | yes | left       | 55  | 51 | 65 | 55 | 56 | 29 | 64 | 28          | 6000        | 1:1   | 20      |
| NGT1-30/231-25/1.2-85  | 30 | ER25      | no  | left       | 85  | 48 | 65 | 55 | 56 | 29 | 64 | 28          | 6000        | 1:1   | -       |
| NGT1-30/231-25/2.2-85  | 30 | ER25      | yes | left       | 85  | 51 | 65 | 55 | 56 | 29 | 64 | 28          | 6000        | 1:1   | 20      |
| NGT1-40/231-25/1.1-80  | 40 | ER25      | no  | right      | 80  | 59 | 72 | 63 | 65 | 36 | 75 | 50          | 6000        | 1:1   | -       |
| NGT1-40/231-25/2.1-80  | 40 | ER25      | yes | right      | 80  | 62 | 72 | 63 | 65 | 36 | 75 | 50          | 6000        | 1:1   | 20      |
| NGT1-40/231-32/1.1-80  | 40 | ER32      | no  | right      | 80  | 59 | 75 | 63 | 65 | 36 | 75 | 50          | 6000        | 1:1   | -       |
| NGT1-40/231-32/2.1-80  | 40 | ER32      | yes | right      | 80  | 62 | 75 | 63 | 65 | 36 | 75 | 50          | 6000        | 1:1   | 20      |
| NGT1-40/231-25/1.1-100 | 40 | ER25      | no  | right      | 100 | 59 | 72 | 63 | 65 | 36 | 75 | 50          | 6000        | 1:1   | -       |
| NGT1-40/231-25/2.1-100 | 40 | ER25      | yes | right      | 100 | 62 | 72 | 63 | 65 | 36 | 75 | 50          | 6000        | 1:1   | 20      |
| NGT1-40/231-32/1.1-100 | 40 | ER32      | no  | right      | 100 | 59 | 75 | 63 | 65 | 36 | 75 | 50          | 6000        | 1:1   | -       |
| NGT1-40/231-32/2.1-100 | 40 | ER32      | yes | right      | 100 | 62 | 75 | 63 | 65 | 36 | 75 | 50          | 6000        | 1:1   | 20      |
| NGT1-40/231-25/1.2-80  | 40 | ER25      | no  | left       | 80  | 59 | 72 | 63 | 65 | 36 | 75 | 50          | 6000        | 1:1   | -       |
| NGT1-40/231-25/2.2-80  | 40 | ER25      | yes | left       | 80  | 62 | 72 | 63 | 65 | 36 | 75 | 50          | 6000        | 1:1   | 20      |
| NGT1-40/231-32/1.2-80  | 40 | ER32      | no  | left       | 80  | 59 | 75 | 63 | 65 | 36 | 75 | 50          | 6000        | 1:1   | -       |
| NGT1-40/231-32/2.2-80  | 40 | ER32      | yes | left       | 80  | 62 | 75 | 63 | 65 | 36 | 75 | 50          | 6000        | 1:1   | 20      |
| NGT1-40/231-25/1.2-100 | 40 | ER25      | no  | left       | 100 | 59 | 72 | 63 | 65 | 36 | 75 | 50          | 6000        | 1:1   | -       |
| NGT1-40/231-25/2.2-100 | 40 | ER25      | yes | left       | 100 | 62 | 72 | 63 | 65 | 36 | 75 | 50          | 6000        | 1:1   | 20      |
| NGT1-40/231-32/1.2-100 | 40 | ER32      | no  | left       | 100 | 59 | 75 | 63 | 65 | 36 | 75 | 50          | 6000        | 1:1   | -       |
| NGT1-40/231-32/2.2-100 | 40 | ER32      | yes | left       | 100 | 62 | 75 | 63 | 65 | 36 | 75 | 50          | 6000        | 1:1   | 20      |
| NGT1-30/231-25/3.1-55  | 30 | ER25      | yes | right      | 55  | 61 | 65 | 55 | 56 | 29 | 64 | 28          | 6000        | 1:1   | 80      |
| NGT1-30/231-25/3.2-55  | 30 | ER25      | yes | left       | 55  | 61 | 65 | 55 | 56 | 29 | 64 | 28          | 6000        | 1:1   | 80      |
| NGT1-30/231-25/3.1-85  | 30 | ER25      | yes | right      | 85  | 61 | 65 | 55 | 56 | 29 | 64 | 28          | 6000        | 1:1   | 80      |
| NGT1-30/231-25/3.2-85  | 30 | ER25      | yes | left       | 85  | 61 | 65 | 55 | 56 | 29 | 64 | 28          | 6000        | 1:1   | 80      |
| NGT1-30/231-25/3.1-100 | 30 | ER25      | yes | right      | 100 | 61 | 65 | 55 | 56 | 29 | 64 | 28          | 6000        | 1:1   | 80      |
| NGT1-30/231-25/3.2-100 | 30 | ER25      | yes | left       | 100 | 61 | 65 | 55 | 56 | 29 | 64 | 28          | 6000        | 1:1   | 80      |
| NGT1-30/231-25/1.3-55  | 30 | ER25      | no  | right/left | 55  | 48 | 65 | 55 | 56 | 29 | 64 | 28          | 6000        | 1:1   | -       |
| NGT1-30/231-25/2.3-55  | 30 | ER25      | yes | right/left | 55  | 51 | 65 | 55 | 56 | 29 | 64 | 28          | 6000        | 1:1   | 20      |
| NGT1-30/231-25/3.3-55  | 30 | ER25      | yes | right/left | 55  | 61 | 65 | 55 | 56 | 29 | 64 | 28          | 6000        | 1:1   | 80      |
| NGT1-30/231-25/1.3-85  | 30 | ER25      | no  | right/left | 85  | 48 | 65 | 55 | 56 | 29 | 64 | 28          | 6000        | 1:1   | -       |
| NGT1-30/231-25/2.3-85  | 30 | ER25      | yes | right/left | 85  | 51 | 65 | 55 | 56 | 29 | 64 | 28          | 6000        | 1:1   | 20      |



# SAUTER TURRET DIN 5480


 Direction of rotation: 


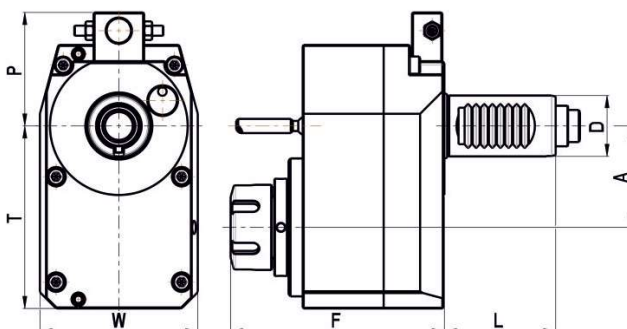
| Code                   | D  | Tool Grip | IC  | Direction  | A   | B  | F   | L  | P  | T  | W  | Torque [Nm] | Speed [rpm] | Ratio | P [bar] |
|------------------------|----|-----------|-----|------------|-----|----|-----|----|----|----|----|-------------|-------------|-------|---------|
| NGT1-30/231-25/3.3-85  | 30 | ER25      | yes | right/left | 85  | 61 | 65  | 55 | 56 | 29 | 64 | 28          | 6000        | 1:1   | 80      |
| NGT1-30/231-25/1.3-100 | 30 | ER25      | no  | right/left | 100 | 48 | 65  | 55 | 56 | 29 | 64 | 28          | 6000        | 1:1   | -       |
| NGT1-30/231-25/2.3-100 | 30 | ER25      | yes | right/left | 100 | 51 | 65  | 55 | 56 | 29 | 64 | 28          | 6000        | 1:1   | 20      |
| NGT1-30/231-25/3.3-100 | 30 | ER25      | yes | right/left | 100 | 48 | 65  | 55 | 56 | 29 | 64 | 28          | 6000        | 1:1   | 80      |
| NGT1-40/231-25/3.1-80  | 40 | ER25      | yes | right      | 80  | 72 | 72  | 63 | 65 | 36 | 75 | 50          | 6000        | 1:1   | 80      |
| NGT1-40/231-32/3.1-80  | 40 | ER32      | yes | right      | 80  | 72 | 75  | 63 | 65 | 36 | 75 | 50          | 6000        | 1:1   | 80      |
| NGT1-40/231-25/3.2-80  | 40 | ER25      | yes | left       | 80  | 72 | 72  | 63 | 65 | 36 | 75 | 50          | 6000        | 1:1   | 80      |
| NGT1-40/231-32/3.2-80  | 40 | ER32      | yes | left       | 80  | 72 | 75  | 63 | 65 | 36 | 75 | 50          | 6000        | 1:1   | 80      |
| NGT1-40/231-25/3.1-100 | 40 | ER25      | yes | right      | 100 | 72 | 72  | 63 | 65 | 36 | 75 | 50          | 6000        | 1:1   | 80      |
| NGT1-40/231-32/3.1-100 | 40 | ER32      | yes | right      | 100 | 72 | 75  | 63 | 65 | 36 | 75 | 50          | 6000        | 1:1   | 80      |
| NGT1-40/231-25/3.2-100 | 40 | ER25      | yes | left       | 100 | 72 | 72  | 63 | 65 | 36 | 75 | 50          | 6000        | 1:1   | 80      |
| NGT1-40/231-32/3.2-100 | 40 | ER32      | yes | left       | 100 | 72 | 75  | 63 | 65 | 36 | 75 | 50          | 6000        | 1:1   | 80      |
| NGT1-40/231-25/1.3-80  | 40 | ER25      | no  | right/left | 80  | 59 | 72  | 63 | 65 | 36 | 75 | 50          | 6000        | 1:1   | -       |
| NGT1-40/231-25/2.3-80  | 40 | ER25      | yes | right/left | 80  | 62 | 72  | 63 | 65 | 36 | 75 | 50          | 6000        | 1:1   | 20      |
| NGT1-40/231-25/3.3-80  | 40 | ER25      | yes | right/left | 80  | 72 | 72  | 63 | 65 | 36 | 75 | 50          | 6000        | 1:1   | 80      |
| NGT1-40/231-32/1.3-80  | 40 | ER32      | no  | right/left | 80  | 59 | 75  | 63 | 65 | 36 | 75 | 50          | 6000        | 1:1   | -       |
| NGT1-40/231-32/2.3-80  | 40 | ER32      | yes | right/left | 80  | 62 | 75  | 63 | 65 | 36 | 75 | 50          | 6000        | 1:1   | 20      |
| NGT1-40/231-32/3.3-80  | 40 | ER32      | yes | right/left | 80  | 72 | 75  | 63 | 65 | 36 | 75 | 50          | 6000        | 1:1   | 80      |
| NGT1-40/231-25/1.3-100 | 40 | ER25      | no  | right/left | 100 | 59 | 72  | 63 | 65 | 36 | 75 | 50          | 6000        | 1:1   | -       |
| NGT1-40/231-25/2.3-100 | 40 | ER25      | yes | right/left | 100 | 62 | 72  | 63 | 65 | 36 | 75 | 50          | 6000        | 1:1   | 20      |
| NGT1-40/231-25/3.3-100 | 40 | ER25      | yes | right/left | 100 | 72 | 72  | 63 | 65 | 36 | 75 | 50          | 6000        | 1:1   | 80      |
| NGT1-40/231-32/1.3-100 | 40 | ER32      | no  | right/left | 100 | 64 | 75  | 63 | 65 | 36 | 75 | 50          | 6000        | 1:1   | -       |
| NGT1-40/231-32/2.3-100 | 40 | ER32      | yes | right/left | 100 | 64 | 75  | 63 | 65 | 36 | 75 | 50          | 6000        | 1:1   | 20      |
| NGT1-40/231-32/3.3-100 | 40 | ER32      | yes | right/left | 100 | 75 | 75  | 63 | 65 | 36 | 75 | 50          | 6000        | 1:1   | 80      |
| NGT1-50/231-32/1.1-110 | 50 | ER32      | no  | right      | 110 | 64 | 117 | 78 | 73 | 42 | 88 | 80          | 6000        | 1:1   | -       |
| NGT1-50/231-32/2.1-110 | 50 | ER32      | yes | right      | 110 | 64 | 117 | 78 | 73 | 42 | 88 | 80          | 6000        | 1:1   | 20      |
| NGT1-50/231-32/3.1-110 | 50 | ER32      | yes | right      | 110 | 75 | 117 | 78 | 73 | 42 | 88 | 80          | 6000        | 1:1   | 80      |
| NGT1-50/231-40/1.1-110 | 50 | ER40      | no  | right      | 110 | 64 | 119 | 78 | 73 | 42 | 88 | 80          | 6000        | 1:1   | -       |
| NGT1-50/231-40/2.1-110 | 50 | ER40      | yes | right      | 110 | 64 | 119 | 78 | 73 | 42 | 88 | 80          | 6000        | 1:1   | 20      |
| NGT1-50/231-40/3.1-110 | 50 | ER40      | yes | right      | 110 | 75 | 119 | 78 | 73 | 42 | 88 | 80          | 6000        | 1:1   | 80      |
| NGT1-50/231-32/1.2-110 | 50 | ER32      | no  | left       | 110 | 64 | 117 | 78 | 73 | 42 | 88 | 80          | 6000        | 1:1   | -       |
| NGT1-50/231-32/2.2-110 | 50 | ER32      | yes | left       | 110 | 64 | 117 | 78 | 73 | 42 | 88 | 80          | 6000        | 1:1   | 20      |
| NGT1-50/231-32/3.2-110 | 50 | ER32      | yes | left       | 110 | 75 | 117 | 78 | 73 | 42 | 88 | 80          | 6000        | 1:1   | 80      |
| NGT1-50/231-40/1.2-110 | 50 | ER40      | no  | left       | 110 | 64 | 119 | 78 | 73 | 42 | 88 | 80          | 6000        | 1:1   | -       |
| NGT1-50/231-40/2.2-110 | 50 | ER40      | yes | left       | 110 | 64 | 119 | 78 | 73 | 42 | 88 | 80          | 6000        | 1:1   | 20      |
| NGT1-50/231-40/3.2-110 | 50 | ER40      | yes | left       | 110 | 75 | 119 | 78 | 73 | 42 | 88 | 80          | 6000        | 1:1   | 80      |
| NGT1-50/231-32/1.3-110 | 50 | ER32      | no  | right/left | 110 | 64 | 117 | 78 | 73 | 42 | 88 | 80          | 6000        | 1:1   | -       |
| NGT1-50/231-32/2.3-110 | 50 | ER32      | yes | right/left | 110 | 64 | 117 | 78 | 73 | 42 | 88 | 80          | 6000        | 1:1   | 20      |
| NGT1-50/231-32/3.3-110 | 50 | ER32      | yes | right/left | 110 | 75 | 117 | 78 | 73 | 42 | 88 | 80          | 6000        | 1:1   | 80      |
| NGT1-50/231-40/1.3-110 | 50 | ER40      | no  | right/left | 110 | 64 | 119 | 78 | 73 | 42 | 88 | 80          | 6000        | 1:1   | -       |
| NGT1-50/231-40/2.3-110 | 50 | ER40      | yes | right/left | 110 | 64 | 119 | 78 | 73 | 42 | 88 | 80          | 6000        | 1:1   | 20      |

# SAUTER TURRET DIN 5480

## Offset straight drilling and milling head



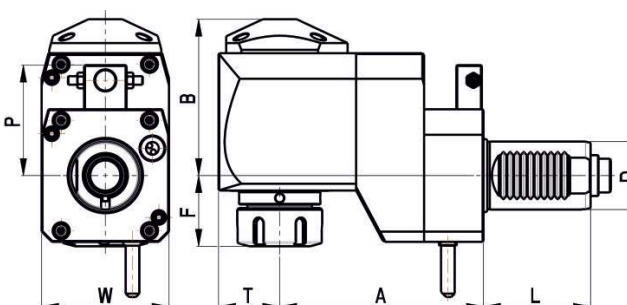
Direction of rotation: 



| Code                       | D  | Tool grip | Internal Cooling | Direction | A  | F   | L  | P  | T  | W  | Torque [Nm] | Speed [rpm] | Ratio | P [bar] |
|----------------------------|----|-----------|------------------|-----------|----|-----|----|----|----|----|-------------|-------------|-------|---------|
| NGT1-30/331-25/1.1-50(1:2) | 30 | ER25      | no               | right     | 50 | 106 | 55 | 56 | 90 | 78 | 14          | 12000       | 1:2   | -       |
| NGT1-30/331-25/1.1-50(2:1) | 30 | ER25      | no               | right     | 50 | 106 | 55 | 56 | 90 | 78 | 40          | 3000        | 2:1   | -       |

## Offset angular drilling and milling head

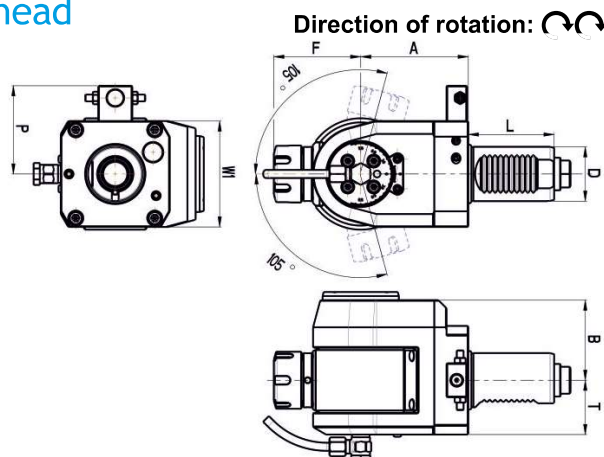
Direction of rotation: 



| Code                   | D  | Tool grip | Internal Cooling | Direction | A   | B   | F  | L  | P  | T  | W  | Torque [Nm] | Speed [rpm] | Ratio | P [bar] |
|------------------------|----|-----------|------------------|-----------|-----|-----|----|----|----|----|----|-------------|-------------|-------|---------|
| NGT1-30/431-25/1.1-75  | 30 | ER25      | no               | right     | 75  | 71  | 42 | 55 | 56 | 29 | 64 | 28          | 6000        | 1:1   | -       |
| NGT1-30/431-25/2.1-75  | 30 | ER25      | yes              | right     | 75  | 74  | 42 | 55 | 56 | 29 | 64 | 28          | 6000        | 1:1   | 20      |
| NGT1-40/431-25/1.1-120 | 40 | ER25      | no               | right     | 120 | 92  | 39 | 63 | 65 | 36 | 75 | 50          | 6000        | 1:1   | -       |
| NGT1-40/431-25/2.1-120 | 40 | ER25      | yes              | right     | 120 | 95  | 39 | 63 | 65 | 36 | 75 | 50          | 6000        | 1:1   | 20      |
| NGT1-40/431-32/1.1-120 | 40 | ER32      | no               | right     | 120 | 92  | 42 | 63 | 65 | 36 | 75 | 50          | 6000        | 1:1   | -       |
| NGT1-40/431-32/2.1-120 | 40 | ER32      | yes              | right     | 120 | 95  | 42 | 63 | 65 | 36 | 75 | 50          | 6000        | 1:1   | 20      |
| NGT1-30/431-25/3.1-75  | 30 | ER25      | yes              | right     | 75  | 84  | 42 | 55 | 56 | 29 | 64 | 28          | 6000        | 1:1   | 80      |
| NGT1-40/431-25/3.1-120 | 40 | ER25      | yes              | right     | 120 | 105 | 39 | 63 | 65 | 36 | 75 | 50          | 6000        | 1:1   | 80      |
| NGT1-40/431-32/3.1-120 | 40 | ER32      | yes              | right     | 120 | 105 | 42 | 63 | 65 | 36 | 75 | 50          | 6000        | 1:1   | 80      |

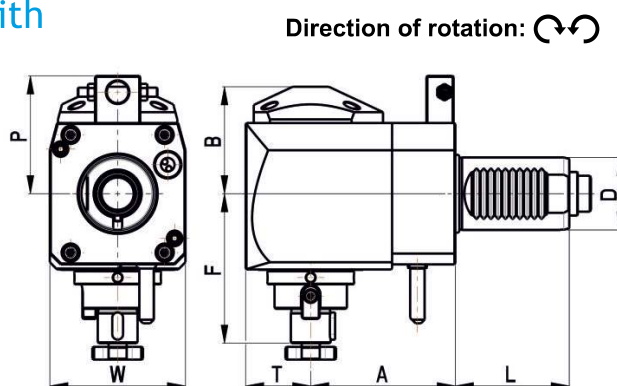
# SAUTER TURRET DIN 5480

## Variable angle drilling and milling head



| Code               | D  | Tool grip | Internal Cooling | Direction | A  | B  | F  | L  | P  | T  | W1 | Torque [Nm] | Speed [rpm] | Ratio | P [bar] |
|--------------------|----|-----------|------------------|-----------|----|----|----|----|----|----|----|-------------|-------------|-------|---------|
| NGT1-30/535-16/1   | 30 | ER16      | no               | right     | 79 | 59 | 45 | 55 | 56 | 40 | 64 | 16          | 6000        | 1:1   | -       |
| NGT1-30/535-16/2   | 30 | ER16      | yes              | right     | 86 | 59 | 45 | 55 | 56 | 40 | 64 | 16          | 6000        | 1:1   | 20      |
| NGT1-30/531-25/1   | 30 | ER25      | no               | right     | 79 | 59 | 45 | 55 | 56 | 40 | 64 | 16          | 6000        | 1:1   | -       |
| NGT1-30/531-25/2   | 30 | ER25      | yes              | right     | 86 | 59 | 45 | 55 | 56 | 40 | 64 | 16          | 6000        | 1:1   | 20      |
| NGT1-40/531-25/1   | 40 | ER25      | no               | right     | 79 | 59 | 65 | 63 | 65 | 40 | 78 | 16          | 6000        | 1:1   | -       |
| NGT1-40/531-25/2   | 40 | ER25      | yes              | right     | 86 | 59 | 65 | 63 | 65 | 40 | 78 | 16          | 6000        | 1:1   | 20      |
| NGT1-30/535-16.1.2 | 30 | ER16      | no               | left      | 79 | 59 | 45 | 55 | 56 | 40 | 64 | 28          | 6000        | 1:1   | -       |
| NGT1-30/535-16.2.2 | 30 | ER16      | yes              | left      | 86 | 59 | 45 | 55 | 56 | 40 | 64 | 16          | 6000        | 1:1   | 20      |
| NGT1-30/531-25.1.2 | 30 | ER25      | no               | left      | 79 | 59 | 65 | 55 | 56 | 40 | 64 | 16          | 6000        | 1:1   | -       |
| NGT1-30/531-25.2.2 | 30 | ER25      | yes              | left      | 86 | 59 | 65 | 55 | 56 | 40 | 64 | 16          | 6000        | 1:1   | 20      |
| NGT1-40/531-25.1.2 | 40 | ER25      | no               | left      | 79 | 59 | 65 | 63 | 65 | 40 | 78 | 16          | 6000        | 1:1   | -       |
| NGT1-40/531-25.2.2 | 40 | ER25      | yes              | left      | 86 | 59 | 65 | 63 | 65 | 40 | 78 | 16          | 6000        | 1:1   | 20      |
| NGT1-50/531-25.1   | 50 | ER25      | no               | right     | 79 | 59 | 65 | 78 | 73 | 44 | 94 | 16          | 6000        | 1:1   | -       |
| NGT1-50/531-25.2   | 50 | ER25      | yes              | right     | 86 | 59 | 65 | 78 | 73 | 44 | 94 | 16          | 6000        | 1:1   | 20      |
| NGT1-50/531-25.1.2 | 50 | ER25      | no               | left      | 79 | 59 | 65 | 78 | 73 | 44 | 94 | 16          | 6000        | 1:1   | -       |
| NGT1-50/531-25.2.2 | 50 | ER25      | yes              | left      | 86 | 59 | 65 | 78 | 73 | 44 | 94 | 16          | 6000        | 1:1   | 20      |

## Angular drilling and milling head with Weldon shaft



| Code                  | D  | Tool grip | Internal Cooling | Direction  | A  | B  | F    | L  | P  | T  | W1 | Torque [Nm] | Speed [rpm] | Ratio | P [bar] |
|-----------------------|----|-----------|------------------|------------|----|----|------|----|----|----|----|-------------|-------------|-------|---------|
| NGT1-40/233-16/1.1-80 | 40 | Ø16       | no               | right      | 80 | 59 | 76.5 | 63 | 65 | 36 | 75 | 50          | 6000        | 1:1   | -       |
| NGT1-40/233-22/1.1-80 | 40 | Ø22       | no               | right      | 80 | 59 | 82.5 | 63 | 65 | 36 | 75 | 50          | 6000        | 1:1   | -       |
| NGT1-40/233-16/1.3-80 | 40 | Ø16       | no               | right/left | 80 | 72 | 76.5 | 63 | 65 | 36 | 75 | 50          | 6000        | 1:1   | -       |
| NGT1-40/233-22/1.3-80 | 40 | Ø22       | no               | right/left | 80 | 72 | 82.5 | 63 | 65 | 36 | 75 | 50          | 6000        | 1:1   | -       |