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TRAUB



INDEX G200.2

Tool holder

Overview

better.parts.faster.

Note on applicability

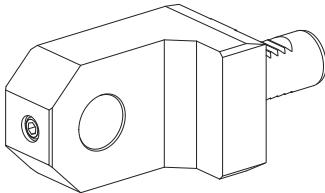
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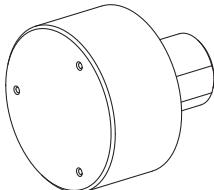
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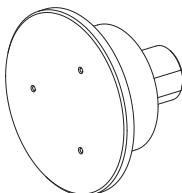
10505133 Bar stop, live

| | |
|------------------|----------------------------------|
| Fixation | none |
| Mounting | D25 (0.98 ") |
| Cooling | – |
| X / Y / Z | 70 (2.76) / – / 30 (1.18) mm (") |



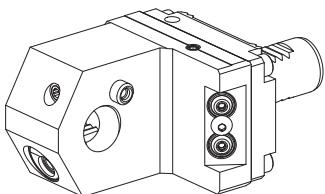
10900227 Bar stop, live

| | |
|------------------|--------------------------|
| Fixation | – |
| Mounting | D58 (2.28 ") |
| Cooling | – |
| X / Y / Z | – / – / 30 (1.18) mm (") |



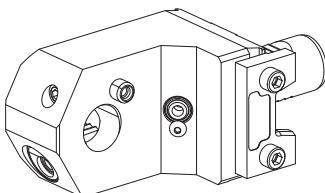
10452051 Bar stop, live

| | |
|------------------|--------------------------|
| Fixation | – |
| Mounting | D85 (3.35 ") |
| Cooling | – |
| X / Y / Z | – / – / 30 (1.18) mm (") |



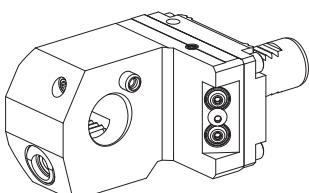
10558089 Compensation holder

| | |
|------------------|---|
| Fixation | W serration |
| Mounting | VDI 20 |
| Cooling | external and internal, p_{max} 20 bar |
| X / Y / Z | 70 (2.76) / – / 2 (0.08) mm (") |



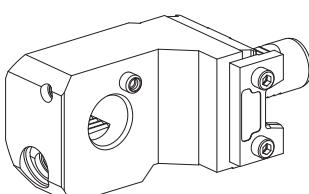
10670405 Compensation holder

| | |
|------------------|---|
| Fixation | Vee bar |
| Mounting | VDI 20 |
| Cooling | external and internal, p_{max} 20 bar |
| X / Y / Z | 70 (2.76) / – / 2 (0.08) mm (") |



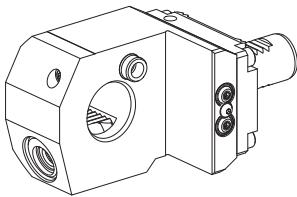
10845238 Compensation holder

| | |
|------------------|---|
| Fixation | W serration |
| Mounting | VDI 25 |
| Cooling | external and internal, p_{max} 20 bar |
| X / Y / Z | 70 (2.76) / – / 2 (0.08) mm (") |



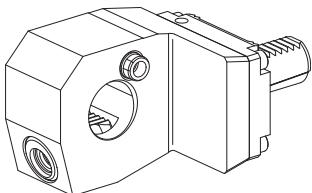
10849685 Compensation holder

| | |
|------------------|---------------------------------|
| Fixation | Vee bar |
| Mounting | VDI 25 |
| Cooling | internal, p_{max} 80 bar |
| X / Y / Z | 70 (2.76) / – / 2 (0.08) mm (") |



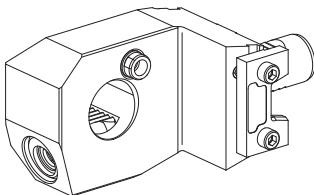
10054233 Compensation holder

Fixation W serration
Mounting VDI 30
Cooling external and internal, p_{max} 20 bar
X / Y / Z 70 (2.76) / - / 2 (0.08) mm (")



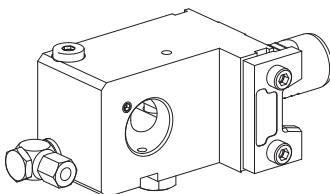
10660913 Compensation holder, vertically adjustable

Fixation W serration
Mounting VDI 30
Cooling internal, p_{max} 80 bar
X / Y / Z 70 (2.76) / - / -5 (-0.20) mm (")



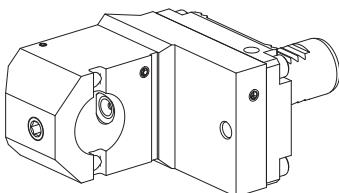
10564702 Compensation holder

Fixation Vee bar
Mounting VDI 30
Cooling internal, p_{max} 80 bar
X / Y / Z 70 (2.76) / - / -5 (-0.20) mm (")



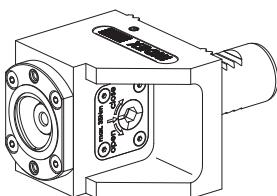
10404809 Compensation holder

Fixation Vee bar
Mounting D1"
Cooling external, p_{max} 80 bar
X / Y / Z 60 (2.36) / - / 15 (0.59) mm (")



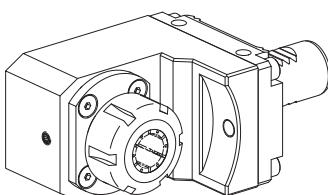
10428102 Compensation holder

Fixation W serration
Mounting ABS 50
Cooling internal, p_{max} 80 bar
X / Y / Z 70 (2.76) / - / -8 (-0.31) mm (")



10265902 Drilling tool holder

Fixation W serration
Mounting INDEX TRAUB CAPTO C3
Cooling internal, p_{max} 80 bar
X / Y / Z 60 (2.36) / - / 16 (0.63) mm (")

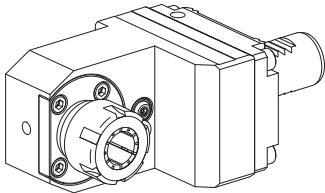


10545041 Drilling tool holder

Fixation W serration
Mounting ER 25
Cooling external and internal, p_{max} 80 bar
X / Y / Z 70 (2.76) / - / 31 (1.22) mm (")

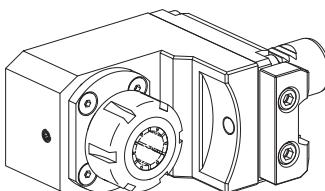
Stationary tool holder Shank VDI25

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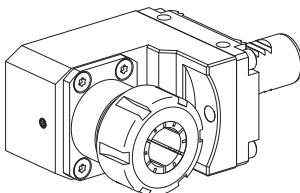
10972928 Drilling tool holder

| | |
|------------------|--|
| Fixation | W serration |
| Mounting | ER 25 |
| Cooling | external and internal, p_{\max} 20 bar |
| X / Y / Z | 87 (3.43) / - / 31 (1.22) mm (") |



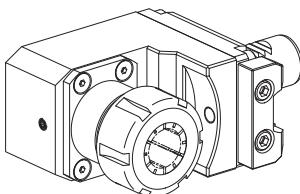
10837952 Drilling tool holder

| | |
|------------------|--|
| Fixation | Vee bar |
| Mounting | ER 25 |
| Cooling | external and internal, p_{\max} 80 bar |
| X / Y / Z | 70 (2.76) / - / 31 (1.22) mm (") |



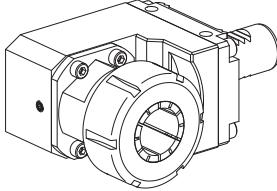
10569878 Drilling tool holder

| | |
|------------------|--|
| Fixation | W serration |
| Mounting | ER 32 |
| Cooling | external and internal, p_{\max} 80 bar |
| X / Y / Z | 70 (2.76) / - / 52 (2.05) mm (") |



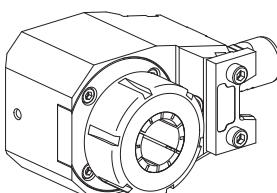
10453263 Drilling tool holder

| | |
|------------------|--|
| Fixation | Vee bar |
| Mounting | ER 32 |
| Cooling | external and internal, p_{\max} 80 bar |
| X / Y / Z | 70 (2.76) / - / 52 (2.05) mm (") |



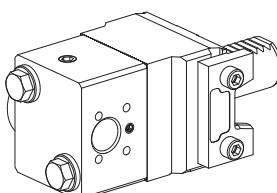
10507494 Drilling tool holder

| | |
|------------------|--|
| Fixation | W serration |
| Mounting | ER 40 |
| Cooling | external and internal, p_{\max} 80 bar |
| X / Y / Z | 70 (2.76) / - / 57.5 (2.26) mm (") |



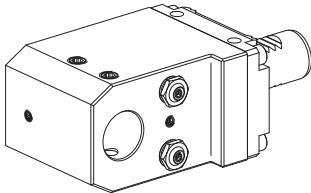
10057365 Drilling tool holder

| | |
|------------------|--|
| Fixation | Vee bar |
| Mounting | ER 40 |
| Cooling | external and internal, p_{\max} 40 bar |
| X / Y / Z | 70 (2.76) / - / 55 (2.17) mm (") |



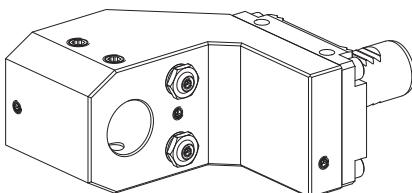
10648867 Drilling tool holder, vertically adjustable

| | |
|------------------|----------------------------------|
| Fixation | Vee bar |
| Mounting | DIN 1835 B/E D16 (0.63 ") |
| Cooling | internal, p_{\max} 80 bar |
| X / Y / Z | 70 (2.76) / - / 25 (0.98) mm (") |



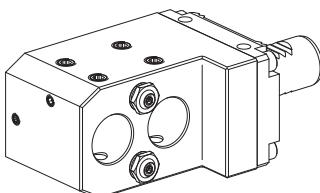
10014235 Drilling tool holder

Fixation W serration
Mounting DIN 1835 B/E D25 (0.98 ")
Cooling external and internal, p_{max} 80 bar
X / Y / Z 87 (3.43) / - / 30 (1.18) mm (")



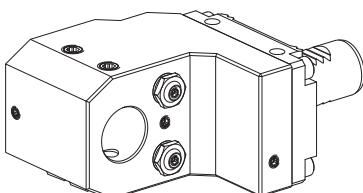
10539095 Drilling tool holder

Fixation W serration
Mounting DIN 1835 B/E D25 (0.98 ")
Cooling external and internal, p_{max} 80 bar
X / Y / Z 87 (3.43) / - / -19 (-0.75) mm (")



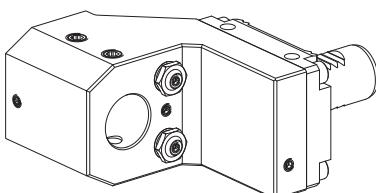
10663517 Drilling tool holder, double

Fixation W serration
Mounting DIN 1835 B/E D25 (0.98 ")
Cooling external and internal, p_{max} 80 bar
X / Y / Z 55 + 90 (2.17 + 3.54) / - / 20 (0.79) mm (")



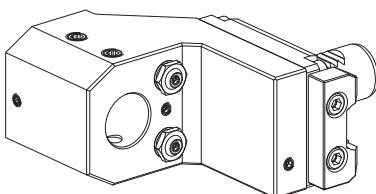
10967785 Drilling tool holder

Fixation W serration
Mounting DIN 1835 B/E D25 (0.98 ")
Cooling external and internal, p_{max} 80 bar
X / Y / Z 78 (3.07) / - / 0 () mm (")



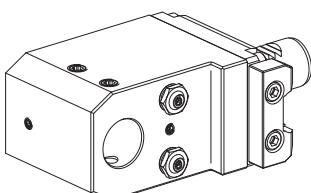
11057940 Drilling tool holder

Fixation W serration
Mounting DIN 1835 B/E D25 (0.98 ")
Cooling external and internal, p_{max} 80 bar
X / Y / Z 70 (2.76) / - / -19 (-0.75) mm (")



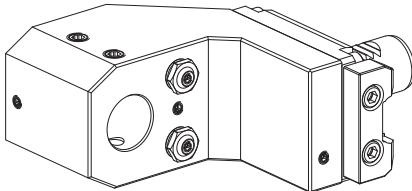
10139154 Drilling tool holder

Fixation Vee bar
Mounting DIN 1835 B/E D25 (0.98 ")
Cooling external and internal, p_{max} 80 bar
X / Y / Z 70 (2.76) / - / -19 (-0.75) mm (")



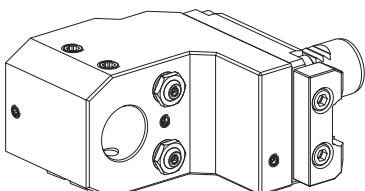
10297791 Drilling tool holder

Fixation Vee bar
Mounting DIN 1835 B/E D25 (0.98 ")
Cooling external and internal, p_{max} 80 bar
X / Y / Z 87 (3.43) / - / 30 (1.18) mm (")



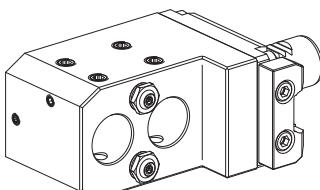
10900026 Drilling tool holder

| | |
|------------------|--|
| Fixation | Vee bar |
| Mounting | DIN 1835 B/E D25 (0.98 ") |
| Cooling | external and internal, p_{\max} 80 bar |
| X / Y / Z | 87 (3.43) / - / -19 (-0.75) mm (") |



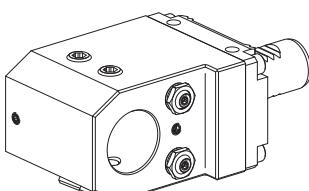
11064045 Drilling tool holder

| | |
|------------------|--|
| Fixation | Vee bar |
| Mounting | DIN 1835 B/E D25 (0.98 ") |
| Cooling | external and internal, p_{\max} 80 bar |
| X / Y / Z | 78 (3.07) / - / 0 () mm (") |



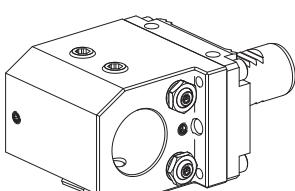
11076537 Drilling tool holder, double

| | |
|------------------|--|
| Fixation | Vee bar |
| Mounting | DIN 1835 B/E D25 (0.98 ") |
| Cooling | external and internal, p_{\max} 80 bar |
| X / Y / Z | 55 + 90 (2.17 + 3.54) / - / 20 (0.79) mm (") |



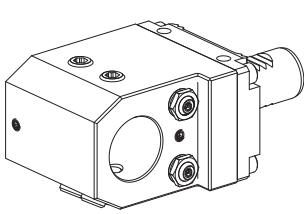
10014065 Drilling tool holder

| | |
|------------------|--|
| Fixation | W serration |
| Mounting | DIN 1835 B/E D32 (1.26 ") |
| Cooling | external and internal, p_{\max} 80 bar |
| X / Y / Z | 78 (3.07) / - / 30 (1.18) mm (") |



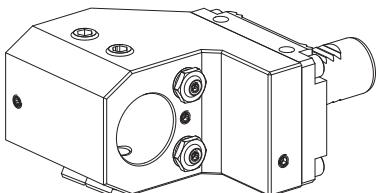
10185704 Drilling tool holder

| | |
|------------------|--|
| Fixation | W serration |
| Mounting | DIN 1835 B/E D32 (1.26 ") |
| Cooling | external and internal, p_{\max} 80 bar |
| X / Y / Z | 60 (2.36) / - / 30 (1.18) mm (") |



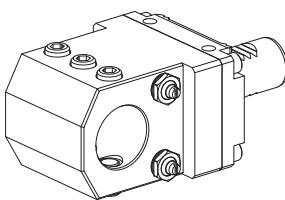
10712278 Drilling tool holder

| | |
|------------------|--|
| Fixation | W serration |
| Mounting | DIN 1835 B/E D32 (1.26 ") |
| Cooling | external and internal, p_{\max} 80 bar |
| X / Y / Z | 70 (2.76) / - / 30 (1.18) mm (") |



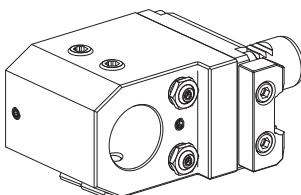
10894414 Drilling tool holder

| | |
|------------------|--|
| Fixation | W serration |
| Mounting | DIN 1835 B/E D32 (1.26 ") |
| Cooling | external and internal, p_{\max} 80 bar |
| X / Y / Z | 70 (2.76) / - / - mm (") |



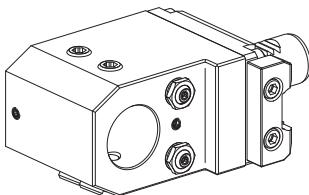
11020232 Drilling tool holder

| | |
|------------------|----------------------------------|
| Fixation | W serration |
| Mounting | DIN 1835 B/E D32 (1.26 ") |
| Cooling | external, p_{\max} 80 bar |
| X / Y / Z | 70 (2.76) / - / 30 (1.18) mm (") |



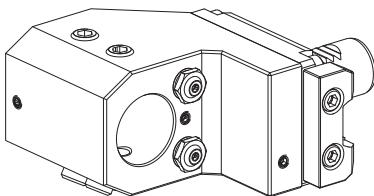
10092181 Drilling tool holder

| | |
|------------------|--|
| Fixation | Vee bar |
| Mounting | DIN 1835 B/E D32 (1.26 ") |
| Cooling | external and internal, p_{\max} 80 bar |
| X / Y / Z | 70 (2.76) / - / 30 (1.18) mm (") |



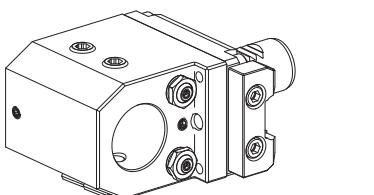
10240247 Drilling tool holder

| | |
|------------------|--|
| Fixation | Vee bar |
| Mounting | DIN 1835 B/E D32 (1.26 ") |
| Cooling | external and internal, p_{\max} 80 bar |
| X / Y / Z | 78 (3.07) / - / 30 (1.18) mm (") |



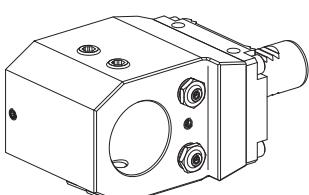
10412117 Drilling tool holder

| | |
|------------------|--|
| Fixation | Vee bar |
| Mounting | DIN 1835 B/E D32 (1.26 ") |
| Cooling | external and internal, p_{\max} 80 bar |
| X / Y / Z | 70 (2.76) / - / 0 () mm (") |



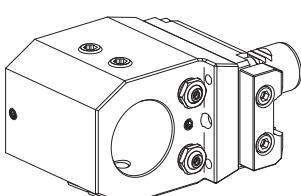
10735514 Drilling tool holder

| | |
|------------------|--|
| Fixation | Vee bar |
| Mounting | DIN 1835 B/E D32 (1.26 ") |
| Cooling | external and internal, p_{\max} 80 bar |
| X / Y / Z | 60 (2.36) / - / 30 (1.18) mm (") |



11032488 Drilling tool holder

| | |
|------------------|--|
| Fixation | W serration |
| Mounting | DIN 1835 B/E D40 (1.57 ") |
| Cooling | external and internal, p_{\max} 80 bar |
| X / Y / Z | 78 (3.07) / - / 30 (1.18) mm (") |

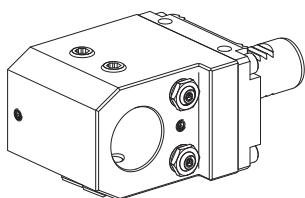


10378073 Drilling tool holder

| | |
|------------------|--|
| Fixation | Vee bar |
| Mounting | DIN 1835 B/E D40 (1.57 ") |
| Cooling | external and internal, p_{\max} 80 bar |
| X / Y / Z | 70 (2.76) / - / 30 (1.18) mm (") |

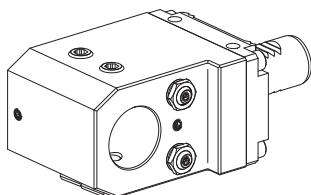
Stationary tool holder Shank VDI25

INDEX TRAUB



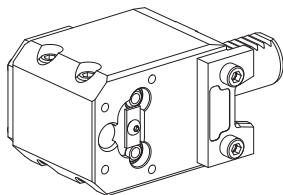
10017019 Drilling tool holder

| | |
|------------------|---|
| Fixation | W serration |
| Mounting | DIN 1835 B/E D 1 1/4" |
| Cooling | external and internal, p_{max} 80 bar |
| X / Y / Z | 70 (2.76) / - / 30 (1.18) mm (") |



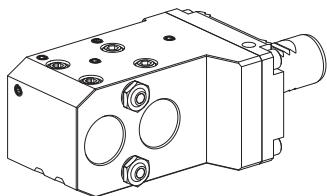
10999356 Drilling tool holder

| | |
|------------------|---|
| Fixation | W serration |
| Mounting | DIN 1835 B/E D 1 1/4" |
| Cooling | external and internal, p_{max} 80 bar |
| X / Y / Z | 78 (3.07) / - / 30 (1.18) mm (") |



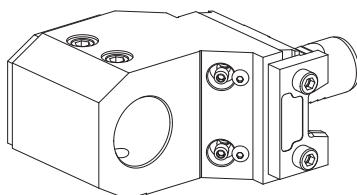
10954878 Drilling tool holder

| | |
|------------------|---|
| Fixation | Vee bar |
| Mounting | D12 (0.47 ") |
| Cooling | external and internal, p_{max} 20 bar |
| X / Y / Z | 70 (2.76) / - / 30 (1.18) mm (") |



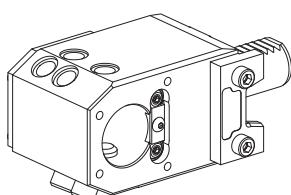
10315934 Drilling tool holder, double

| | |
|------------------|---|
| Fixation | W serration |
| Mounting | D25 (0.98 ") |
| Cooling | external and internal, p_{max} 80 bar |
| X / Y / Z | 65 + 100 (2.56 + 3.94) / - / 20 (0.79) mm (") |



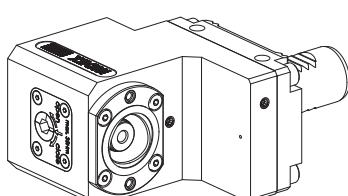
10551341 Drilling tool holder

| | |
|------------------|---|
| Fixation | Vee bar |
| Mounting | D32 (1.26 ") |
| Cooling | external and internal, p_{max} 40 bar |
| X / Y / Z | 70 (2.76) / - / 7 (0.28) mm (") |



10753427 Drilling tool holder

| | |
|------------------|---|
| Fixation | Vee bar |
| Mounting | D1 1/4 " |
| Cooling | external and internal, p_{max} 20 bar |
| X / Y / Z | 70 (2.76) / - / 30 (1.18) mm (") |

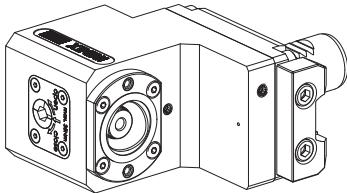


10705777 Drilling tool holder

| | |
|------------------|---------------------------------|
| Fixation | W serration |
| Mounting | INDEX TRAUB CAPTO C3 |
| Cooling | internal, p_{max} 80 bar |
| X / Y / Z | 70 (2.76) / - / 5 (0.20) mm (") |

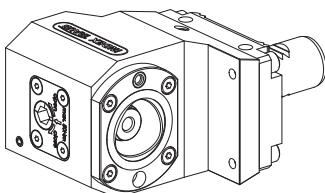
Stationary tool holder Shank VDI25

INDEX TRAUB



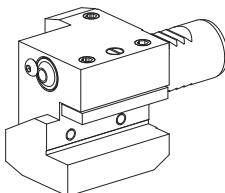
10588144 Drilling tool holder

| | |
|------------------|---------------------------------|
| Fixation | Vee bar |
| Mounting | INDEX TRAUB CAPTO C3 |
| Cooling | internal, p_{max} 80 bar |
| X / Y / Z | 70 (2.76) / - / 5 (0.20) mm (") |



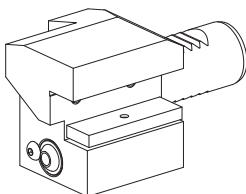
12000151 Drilling tool holder

| | |
|------------------|------------------------------------|
| Fixation | W serration |
| Mounting | INDEX TRAUB CAPTO C4 |
| Cooling | internal, p_{max} 80 bar |
| X / Y / Z | 70 (2.76) / - / 16.5 (0.65) mm (") |



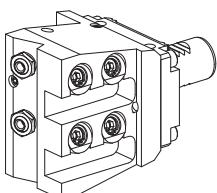
10593252 Turning tool holder, Form C1/C4

| | |
|------------------|----------------------------------|
| Fixation | none |
| Mounting | square 16x16 |
| Cooling | external, p_{max} 20 bar |
| X / Y / Z | 55 (2.17) / - / 19 (0.75) mm (") |



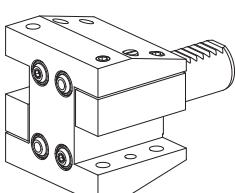
11033174 Turning tool holder, Form C2/C3

| | |
|------------------|----------------------------------|
| Fixation | none |
| Mounting | square 16x16 |
| Cooling | external, p_{max} 20 bar |
| X / Y / Z | 55 (2.17) / - / 19 (0.75) mm (") |



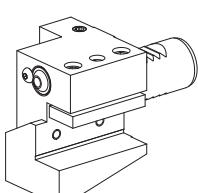
11046904 Turning tool holder, double

| | |
|------------------|---|
| Fixation | W serration |
| Mounting | square 16x16 |
| Cooling | external, p_{max} 80 bar |
| X / Y / Z | 85.5 (3.37) / -19 +17.5 (-0.75 + 0.69) / 19 (0.75) mm (") |



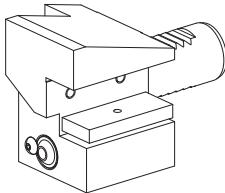
10199711 Turning tool holder, double

| | |
|------------------|----------------------------------|
| Fixation | none |
| Mounting | square 20x20 |
| Cooling | external, p_{max} 20 bar |
| X / Y / Z | 55 (2.17) / - / 17 (0.67) mm (") |



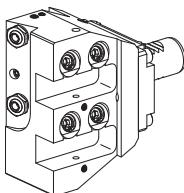
10443801 Turning tool holder, Form C1/C4

| | |
|------------------|----------------------------------|
| Fixation | none |
| Mounting | square 20x20 |
| Cooling | external, p_{max} 20 bar |
| X / Y / Z | 55 (2.17) / - / 15 (0.59) mm (") |



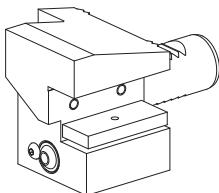
10940870 Turning tool holder, Form C2/C3

| | |
|------------------|----------------------------------|
| Fixation | none |
| Mounting | square 20x20 |
| Cooling | external, p_{\max} 20 bar |
| X / Y / Z | 55 (2.17) / - / 19 (0.75) mm (") |



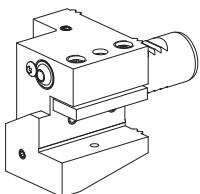
10241995 Turning tool holder, double

| | |
|------------------|---|
| Fixation | W serration |
| Mounting | square 20x20 |
| Cooling | external and internal, p_{\max} 80 bar |
| X / Y / Z | 85.5 (3.37) / 5 + -40 (0.20 + -1.57) / 34.5 (1.36) mm (") |



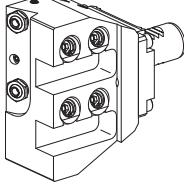
10252236 Turning tool holder, Form C2/C3

| | |
|------------------|----------------------------------|
| Fixation | W serration |
| Mounting | square 20x20 |
| Cooling | external, p_{\max} 20 bar |
| X / Y / Z | 55 (2.17) / - / 19 (0.75) mm (") |



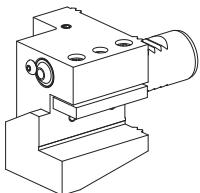
10326998 Turning tool holder, Form C1/C4

| | |
|------------------|--|
| Fixation | W serration |
| Mounting | square 20x20 |
| Cooling | external and internal, p_{\max} 80 bar |
| X / Y / Z | 55 (2.17) / - / 15 (0.59) mm (") |



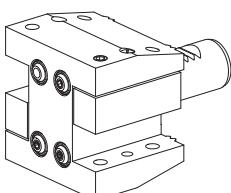
10330772 Turning tool holder, double

| | |
|------------------|---|
| Fixation | W serration |
| Mounting | square 20x20 |
| Cooling | external, p_{\max} 80 bar |
| X / Y / Z | 85.5 (3.37) / 5 + -40 (0.20 + -1.57) / 34.5 (1.36) mm (") |



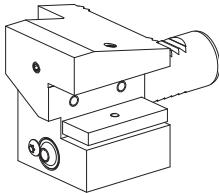
10583476 Turning tool holder, Form C1/C4

| | |
|------------------|----------------------------------|
| Fixation | W serration |
| Mounting | square 20x20 |
| Cooling | external, p_{\max} 20 bar |
| X / Y / Z | 55 (2.17) / - / 15 (0.59) mm (") |



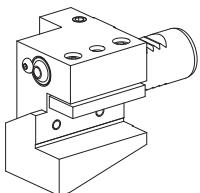
10657631 Turning tool holder, double

| | |
|------------------|----------------------------------|
| Fixation | W serration |
| Mounting | square 20x20 |
| Cooling | external, p_{\max} 20 bar |
| X / Y / Z | 57 (2.24) / - / 17 (0.67) mm (") |



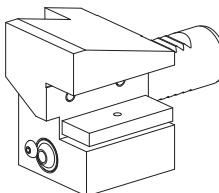
11095063 Turning tool holder, Form C2/C3

| | |
|------------------|---|
| Fixation | W serration |
| Mounting | square 20x20 |
| Cooling | external and internal, p_{max} 80 bar |
| X / Y / Z | 55 (2.17) / - / 19 (0.75) mm (") |



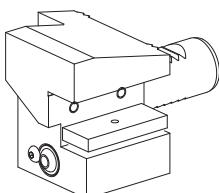
10345003 Turning tool holder, Form C1/C4

| | |
|------------------|----------------------------------|
| Fixation | none |
| Mounting | square 3/4x3/4" |
| Cooling | external, p_{max} 20 bar |
| X / Y / Z | 55 (2.17) / - / 15 (0.59) mm (") |



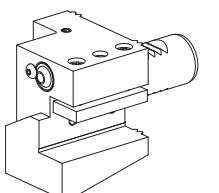
11064321 Turning tool holder, Form C2/C3

| | |
|------------------|----------------------------------|
| Fixation | none |
| Mounting | square 3/4x3/4" |
| Cooling | external, p_{max} 20 bar |
| X / Y / Z | 55 (2.17) / - / 19 (0.75) mm (") |



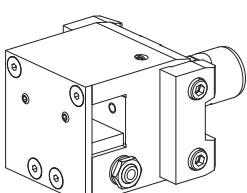
10042128 Turning tool holder, Form C2/C3

| | |
|------------------|----------------------------------|
| Fixation | W serration |
| Mounting | square 3/4x3/4" |
| Cooling | external, p_{max} 20 bar |
| X / Y / Z | 55 (2.17) / - / 19 (0.75) mm (") |



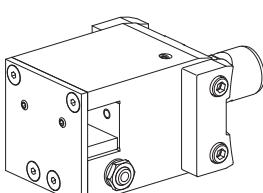
10295890 Turning tool holder, Form C1/C4

| | |
|------------------|----------------------------------|
| Fixation | W serration |
| Mounting | square 3/4x3/4" |
| Cooling | external, p_{max} 20 bar |
| X / Y / Z | 55 (2.17) / - / 15 (0.59) mm (") |



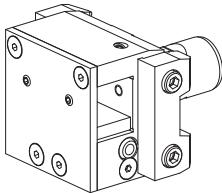
10385115 Turning tool holder

| | |
|------------------|----------------------------------|
| Fixation | Clamping and stop bar |
| Mounting | square 20x20 |
| Cooling | external, p_{max} 80 bar |
| X / Y / Z | 40 (1.57) / - / 30 (1.18) mm (") |



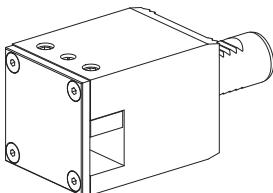
10666309 Turning tool holder

| | |
|------------------|----------------------------------|
| Fixation | Clamping and stop bar |
| Mounting | square 20x20 |
| Cooling | external, p_{max} 80 bar |
| X / Y / Z | 60 (2.36) / - / 30 (1.18) mm (") |



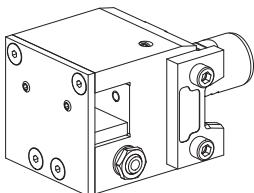
10707465 Turning tool holder

| | |
|------------------|------------------------------------|
| Fixation | Clamping and stop bar |
| Mounting | square 20x20 |
| Cooling | external, p_{\max} 20 bar |
| X / Y / Z | 18.5 (0.73) / - / 30 (1.18) mm (") |



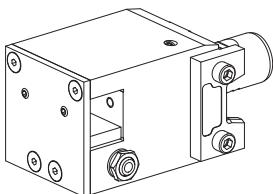
10169442 Turning tool holder

| | |
|------------------|----------------------------------|
| Fixation | W serration |
| Mounting | square 20x20 |
| Cooling | external, p_{\max} 20 bar |
| X / Y / Z | 60 (2.36) / - / 30 (1.18) mm (") |



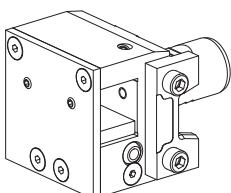
10080360 Turning tool holder

| | |
|------------------|----------------------------------|
| Fixation | Vee bar |
| Mounting | square 20x20 |
| Cooling | external, p_{\max} 80 bar |
| X / Y / Z | 40 (1.57) / - / 30 (1.18) mm (") |



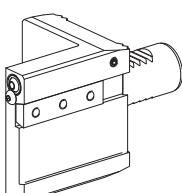
10578028 Turning tool holder

| | |
|------------------|----------------------------------|
| Fixation | Vee bar |
| Mounting | square 20x20 |
| Cooling | external, p_{\max} 80 bar |
| X / Y / Z | 60 (2.36) / - / 30 (1.18) mm (") |



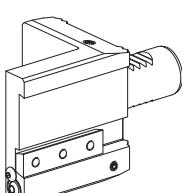
10653020 Turning tool holder

| | |
|------------------|------------------------------------|
| Fixation | Vee bar |
| Mounting | square 20x20 |
| Cooling | external, p_{\max} 80 bar |
| X / Y / Z | 18.5 (0.73) / - / 30 (1.18) mm (") |



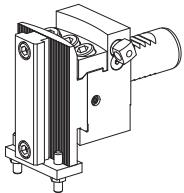
10222400 Grooving tool holder

| | |
|------------------|------------------------------------|
| Fixation | W serration |
| Mounting | Trapezoid 32x4 |
| Cooling | external, p_{\max} 20 bar |
| X / Y / Z | 68.2 (2.69) / - / 30 (1.18) mm (") |



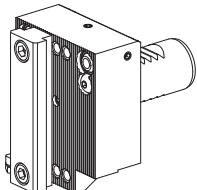
10304690 Grooving tool holder

| | |
|------------------|------------------------------------|
| Fixation | W serration |
| Mounting | Trapezoid 32x4 |
| Cooling | external, p_{\max} 20 bar |
| X / Y / Z | 68.2 (2.69) / - / 30 (1.18) mm (") |



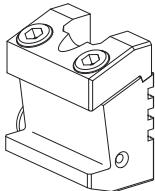
10837364 Basic holder, Contour plunging tool holder

| | |
|------------------|--|
| Fixation | none |
| Mounting | – |
| Cooling | external and internal, p_{\max} 20 bar |
| X / Y / Z | 88 (3.46) / – / – mm (") |



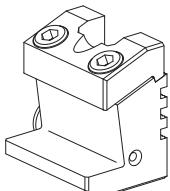
10758898 Basic holder, Contour plunging tool holder

| | |
|------------------|-----------------------------|
| Fixation | W serration |
| Mounting | – |
| Cooling | external, p_{\max} 20 bar |
| X / Y / Z | 28.3 (1.11) / – / – mm (") |



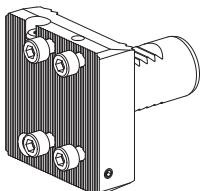
10607061 Grooving tool holding block, vertically adjustable

| | |
|------------------|-----------------------------|
| Fixation | – |
| Mounting | – |
| Cooling | external, p_{\max} 20 bar |
| X / Y / Z | 30 (1.18) / – / – mm (") |



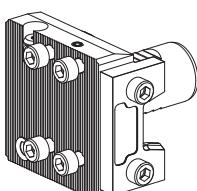
10463581 Grooving tool holding block, vertically adjustable

| | |
|------------------|-----------------------------|
| Fixation | – |
| Mounting | – |
| Cooling | external, p_{\max} 20 bar |
| X / Y / Z | 38 (1.50) / – / – mm (") |



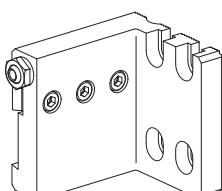
10266235 Basic holder, vertically adjustable

| | |
|------------------|-----------------------------|
| Fixation | W serration |
| Mounting | – |
| Cooling | external, p_{\max} 20 bar |
| X / Y / Z | 19 (0.75) / – / – mm (") |



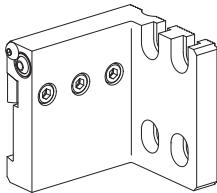
10076218 Basic holder, vertically adjustable

| | |
|------------------|----------------------------------|
| Fixation | Vee bar |
| Mounting | – |
| Cooling | external, p_{\max} 20 bar |
| X / Y / Z | 19 (0.75) / – / 30 (1.18) mm (") |



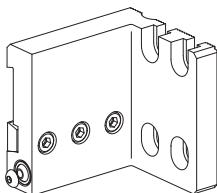
11094517 Grooving tool holding block, vertically adjustable

| | |
|------------------|---|
| Fixation | – |
| Mounting | Trapezoid 26x4 |
| Cooling | external and internal, p_{\max} 80 bar |
| X / Y / Z | 63 (2.48) / ±1.5 (±0.06) / 58 (2.28) mm (") |



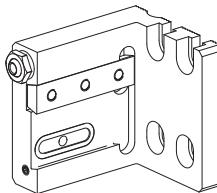
10498677 Grooving tool holding block, vertically adjustable

Fixation –
Mounting Trapezoid 26x4
Cooling external, p_{\max} 20 bar
X / Y / Z 63 (2.48) / ±1.5 (±0.06) / 58 (2.28) mm (")



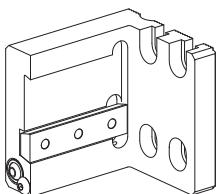
10668867 Grooving tool holding block, vertically adjustable

Fixation –
Mounting Trapezoid 26x4
Cooling external, p_{\max} 20 bar
X / Y / Z 63 (2.48) / ±1.5 (±0.06) / 58 (2.28) mm (")



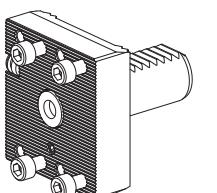
11094518 Grooving tool holding block, vertically adjustable

Fixation –
Mounting Trapezoid 26x4
Cooling external and internal, p_{\max} 80 bar
X / Y / Z 63 (2.48) / ±1.5 (±0.06) / 58 (2.28) mm (")



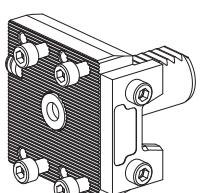
10804363 Grooving tool holding block, vertically adjustable

Fixation –
Mounting Trapezoid 26x4
Cooling external, p_{\max} 20 bar
X / Y / Z 63 (2.48) / ±1.5 (±0.06) / 58 (2.28) mm (")



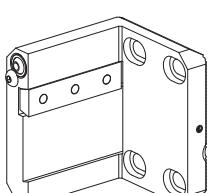
10743913 Basic holder, horizontally adjustable

Fixation W serration
Mounting –
Cooling external and internal, p_{\max} 20 bar
X / Y / Z 19.6 (0.77) / – / 30 (1.18) mm (")



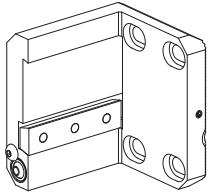
10725358 Basic holder, horizontally adjustable

Fixation Vee bar
Mounting –
Cooling external, p_{\max} 40 bar
X / Y / Z 19 (0.75) / – / 30 (1.18) mm (")



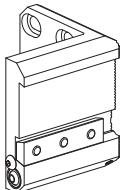
10451779 Grooving tool holding block, horizontally adjustable

Fixation –
Mounting Trapezoid 32x3
Cooling external, p_{\max} 20 bar
X / Y / Z 62 (2.44) / – / 19 (0.75) mm (")



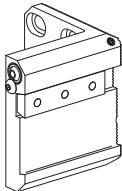
10634677 Grooving tool holding block, horizontally adjustable

Fixation –
Mounting Trapezoid 32x3
Cooling external, p_{\max} 20 bar
X / Y / Z 62 (2.44) / – / 19 (0.75) mm (")



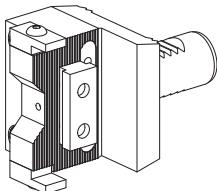
10154506 Grooving tool holding block, horizontally adjustable

Fixation –
Mounting Trapezoid 32x3
Cooling –, p_{\max} 20 bar
X / Y / Z 62 (2.44) / – / 33 (1.30) mm (")



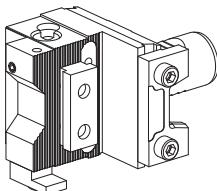
10532047 Grooving tool holding block, horizontally adjustable

Fixation –
Mounting Trapezoid 32x3
Cooling –, p_{\max} 20 bar
X / Y / Z 62 (2.44) / – / 30 (1.18) mm (")



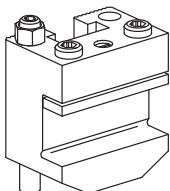
10807382 Basic holder, vertically adjustable

Fixation W serration
Mounting –
Cooling external and internal, p_{\max} 20 bar
X / Y / Z 35 (1.38) / – / 5 (0.20) mm (")



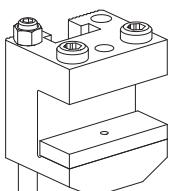
10928593 Basic holder, vertically adjustable

Fixation Vee bar
Mounting –
Cooling external and internal, p_{\max} 20 bar
X / Y / Z 35 (1.38) / – / 5 (0.20) mm (")



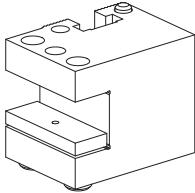
10331903 Grooving tool holding block, vertically adjustable

Fixation –
Mounting square 16x10
Cooling –
X / Y / Z 20 (0.79) / – / 18 (0.71) mm (")



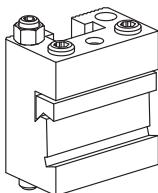
10770991 Grooving tool holding block, vertically adjustable

Fixation –
Mounting square 16x16
Cooling –
X / Y / Z 20 (0.79) / – / 17 (0.67) mm (")



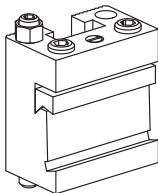
11004141 Grooving tool holding block, vertically adjustable

| | |
|------------------|----------------------------------|
| Fixation | – |
| Mounting | square 16x16 |
| Cooling | – |
| X / Y / Z | 40 (1.57) / – / 40 (1.57) mm (") |



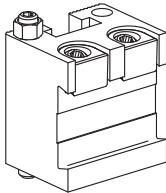
10531179 Grooving tool holding block, vertically adjustable

| | |
|------------------|----------------------------------|
| Fixation | – |
| Mounting | Trapezoid 16x3 |
| Cooling | – |
| X / Y / Z | 20 (0.79) / – / 25 (0.98) mm (") |



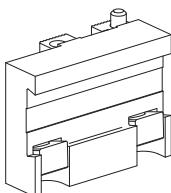
10518257 Grooving tool holding block, vertically adjustable

| | |
|------------------|----------------------------------|
| Fixation | – |
| Mounting | Trapezoid 20x4 |
| Cooling | – |
| X / Y / Z | 20 (0.79) / – / 25 (0.98) mm (") |



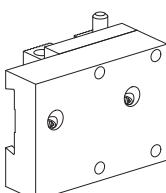
10227285 Grooving tool holding block, vertically adjustable

| | |
|------------------|----------------------------------|
| Fixation | – |
| Mounting | Trapezoid 26x5 |
| Cooling | – |
| X / Y / Z | 20 (0.79) / – / 32 (1.26) mm (") |



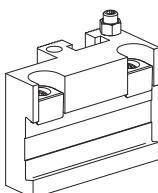
10049220 Grooving tool holding block, vertically adjustable

| | |
|------------------|------------------------------------|
| Fixation | – |
| Mounting | Trapezoid 26x5 |
| Cooling | – |
| X / Y / Z | 47.5 (1.87) / – / 32 (1.26) mm (") |



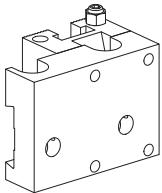
10787914 Grooving tool holding block, vertically adjustable

| | |
|------------------|--------------------------------------|
| Fixation | – |
| Mounting | Trapezoid 26x5 |
| Cooling | – |
| X / Y / Z | 47.5 (1.87) / – / 28.5 (1.12) mm (") |



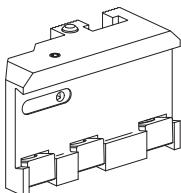
10410270 Grooving tool holding block, vertically adjustable

| | |
|------------------|------------------------------------|
| Fixation | – |
| Mounting | Trapezoid 26x5 |
| Cooling | – |
| X / Y / Z | 47.5 (1.87) / – / 32 (1.26) mm (") |



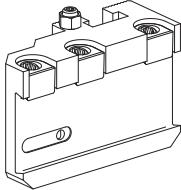
10777825 Grooving tool holding block, vertically adjustable

| | |
|------------------|--------------------------------------|
| Fixation | – |
| Mounting | Trapezoid 26x5 |
| Cooling | – |
| X / Y / Z | 47.5 (1.87) / – / 28.5 (1.12) mm (") |



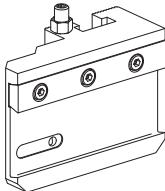
10269671 Grooving tool holding block, vertically adjustable

| | |
|------------------|---|
| Fixation | – |
| Mounting | Trapezoid 32x5 |
| Cooling | external and internal, p_{max} 20 bar |
| X / Y / Z | 60 (2.36) / – / 32 (1.26) mm (") |



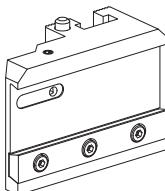
10778011 Grooving tool holding block, vertically adjustable

| | |
|------------------|---|
| Fixation | – |
| Mounting | Trapezoid 32x5 |
| Cooling | external and internal, p_{max} 20 bar |
| X / Y / Z | 60 (2.36) / – / 32 (1.26) mm (") |



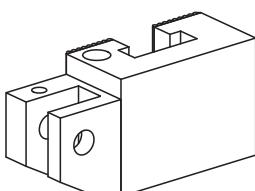
10500323 Grooving tool holding block, vertically adjustable

| | |
|------------------|---|
| Fixation | – |
| Mounting | Trapezoid 32x5 |
| Cooling | external and internal, p_{max} 20 bar |
| X / Y / Z | 60 (2.36) / – / 32 (1.26) mm (") |



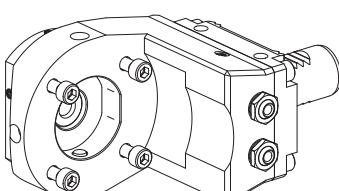
11026512 Grooving tool holding block, vertically adjustable

| | |
|------------------|---|
| Fixation | – |
| Mounting | Trapezoid 32x5 |
| Cooling | external and internal, p_{max} 20 bar |
| X / Y / Z | 60 (2.36) / – / 32 (1.26) mm (") |



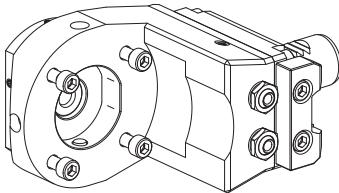
10442459 Knurling tool holding block

| | |
|------------------|----------------------------------|
| Fixation | none |
| Mounting | D6 (0.24 ") |
| Cooling | – |
| X / Y / Z | 38 (1.50) / – / 20 (0.79) mm (") |



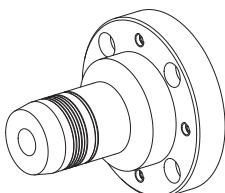
10884330 Basic holder

| | |
|------------------|---|
| Fixation | W serration |
| Mounting | – |
| Cooling | external and internal, p_{max} 80 bar |
| X / Y / Z | 78 (3.07) / – / -23.5 (-0.93) mm (") |



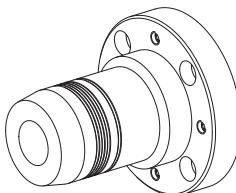
10583419 Basic holder

| | |
|------------------|--|
| Fixation | Vee bar |
| Mounting | – |
| Cooling | external and internal, p_{\max} 80 bar |
| X / Y / Z | 78 (3.07) / – / -23.5 (-0.93) mm (") |



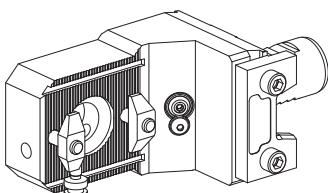
10339021 Drill holding block

| | |
|------------------|--|
| Fixation | none |
| Mounting | Hydraulic expansion chuck D12 |
| Cooling | external and internal, p_{\max} 80 bar |
| X / Y / Z | 77.5 (3.05) / – / – mm (") |



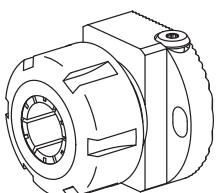
10090979 Drill holding block

| | |
|------------------|--|
| Fixation | none |
| Mounting | Hydraulic expansion chuck D20 |
| Cooling | external and internal, p_{\max} 80 bar |
| X / Y / Z | 83 (3.27) / – / – mm (") |



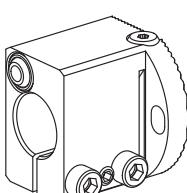
10448204 Basic holder

| | |
|------------------|--|
| Fixation | Vee bar |
| Mounting | – |
| Cooling | external and internal, p_{\max} 20 bar |
| X / Y / Z | 70 (2.76) / – / -5 (-0.20) mm (") |



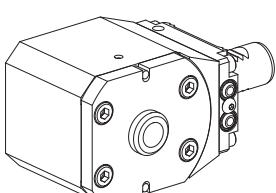
10285739 Drill holding block

| | |
|------------------|-----------------------------|
| Fixation | – |
| Mounting | ER 25 |
| Cooling | internal, p_{\max} 20 bar |
| X / Y / Z | 42.5 (1.67) / – / – mm (") |



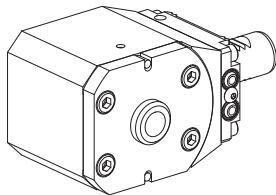
10099852 Drill holding block

| | |
|------------------|-----------------------------|
| Fixation | – |
| Mounting | D20 (0.79 ") |
| Cooling | external, p_{\max} 20 bar |
| X / Y / Z | 40 (1.57) / – / – mm (") |



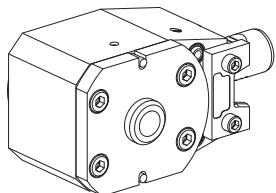
10030527 Center holder, vertically adjustable, not spring-loaded

| | |
|------------------|---|
| Fixation | W serration |
| Mounting | D15.4 (0.61 ") / Cone 1:7.5 |
| Cooling | external, p_{\max} 20 bar |
| X / Y / Z | 70 (2.76) / ±0.5 (±0.02) / 46.5 (1.83) mm (") |



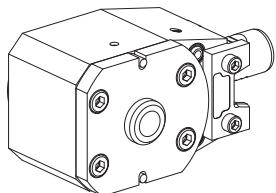
10044237 Center holder, vertically adjustable, spring-loaded

| | |
|------------------|---|
| Fixation | W serration |
| Mounting | D15.4 (0.61 ")/Cone 1:7.5 |
| Cooling | external, p_{\max} 20 bar |
| X / Y / Z | 70 (2.76) / ± 0.5 (± 0.02) / 46.5 (1.83) mm (") |



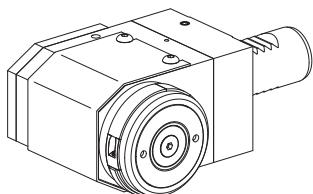
10770252 Center holder, vertically adjustable, spring-loaded

| | |
|------------------|---|
| Fixation | Vee bar |
| Mounting | D15.4 (0.61 ")/Cone 1:7.5 |
| Cooling | external, p_{\max} 20 bar |
| X / Y / Z | 70 (2.76) / ± 0.5 (± 0.02) / 46.5 (1.83) mm (") |



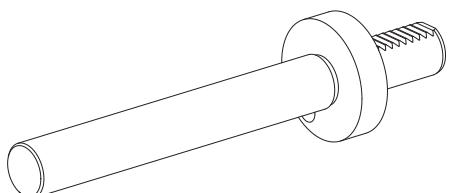
11061577 Center holder, vertically adjustable, not spring-loaded

| | |
|------------------|---|
| Fixation | Vee bar |
| Mounting | D15.4 (0.61 ")/Cone 1:7.5 |
| Cooling | external, p_{\max} 20 bar |
| X / Y / Z | 70 (2.76) / ± 0.5 (± 0.02) / 46.5 (1.83) mm (") |



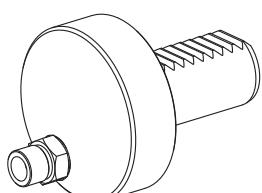
10578860 Embossing roll holder

| | |
|------------------|------------------------------------|
| Fixation | none |
| Mounting | – |
| Cooling | internal, p_{\max} 20 bar |
| X / Y / Z | 65 (2.56) / – / 40.5 (1.59) mm (") |



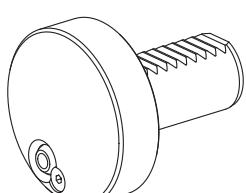
10489412 Calibrating tool

| | |
|------------------|---------------------------|
| Fixation | none |
| Mounting | – |
| Cooling | – |
| X / Y / Z | 190 (7.48) / – / – mm (") |



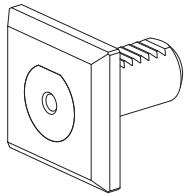
10677850 Coolant nozzle

| | |
|------------------|-----------------------------|
| Fixation | – |
| Mounting | – |
| Cooling | external, p_{\max} 80 bar |
| X / Y / Z | 18 (0.71) / – / – mm (") |



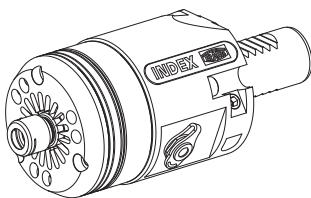
10970015 Coolant nozzle

| | |
|------------------|--------------------------|
| Fixation | none |
| Mounting | – |
| Cooling | – |
| X / Y / Z | 16 (0.63) / – / – mm (") |



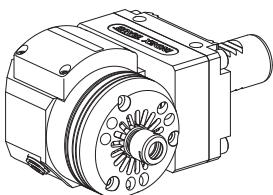
10385690 Blanking plug

| | |
|------------------|--------------------------|
| Fixation | — |
| Mounting | — |
| Cooling | — |
| X / Y / Z | 10 (0.39) / – / – mm (") |



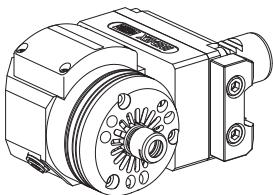
10552949 Fluid spindle, up to 50,000 1/min

| | |
|------------------|-----------------------------|
| Fixation | – |
| Mounting | ER 11 |
| Cooling | external, p_{\max} 40 bar |
| X / Y / Z | 105.6 (4.16) / – / mm (") |



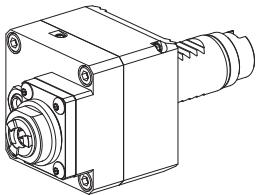
10646377 Fluid spindle, up to 40,000 1/min

| | |
|------------------|----------------------------------|
| Fixation | W serration |
| Mounting | ER 11 |
| Cooling | external, p_{\max} 40 bar |
| X / Y / Z | 70 (2.76) / – / 64 (2.52) mm (") |



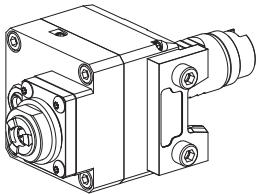
11095303 Fluid spindle, up to 40,000 1/min

| | |
|------------------|----------------------------------|
| Fixation | Vee bar |
| Mounting | ER 11 |
| Cooling | external, p_{\max} 40 bar |
| X / Y / Z | 70 (2.76) / – / 64 (2.52) mm (") |



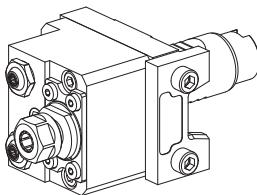
10898137 Drilling unit

| | |
|--------------------|----------------------------------|
| Fixation | W serration |
| Mounting | ER 11 |
| Cooling | external, p_{\max} 20 bar |
| Speed ratio | 1:3 (0.333) |
| X / Y / Z | 75 (2.95) / – / 15 (0.59) mm (") |



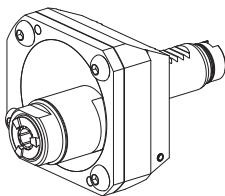
10418218 Drilling unit

| | |
|--------------------|----------------------------------|
| Fixation | Vee bar |
| Mounting | ER 11 |
| Cooling | external, p_{\max} 20 bar |
| Speed ratio | 1:3 (0.333) |
| X / Y / Z | 75 (2.95) / – / 15 (0.59) mm (") |



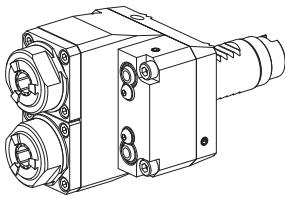
10648402 Drilling unit

| | |
|--------------------|------------------------------------|
| Fixation | Vee bar |
| Mounting | ER 11 |
| Cooling | external, p_{\max} 20 bar |
| Speed ratio | 1:1.33 (0.75) |
| X / Y / Z | 71 (2.80) / – / 17.5 (0.69) mm (") |



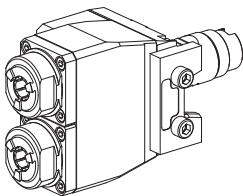
10444245 Drilling unit, vertically adjustable

| | |
|--------------------|------------------------------------|
| Fixation | W serration |
| Mounting | ER 16 |
| Cooling | external, p_{\max} 20 bar |
| Speed ratio | 1:2.07 (0.483) |
| X / Y / Z | 85 (3.35) / – / 22.5 (0.89) mm (") |



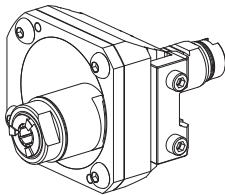
10941480 Drilling unit, double

| | |
|--------------------|--|
| Fixation | W serration |
| Mounting | ER 16 |
| Cooling | external, p_{\max} 20 bar |
| Speed ratio | 1:2.07 (0.483) |
| X / Y / Z | 85 (3.35) / ±19 (±0.75) / 12 (0.47) mm (") |



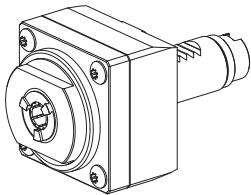
10675362 Drilling unit, double

| | |
|--------------------|--|
| Fixation | Vee bar |
| Mounting | ER 16 |
| Cooling | external, p_{\max} 20 bar |
| Speed ratio | 1:2.07 (0.483) |
| X / Y / Z | 85 (3.35) / ±19 (±0.75) / 12 (0.47) mm (") |



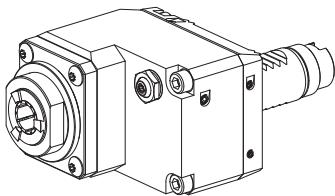
10701271 Drilling unit, vertically adjustable

| | |
|--------------------|--|
| Fixation | Vee bar |
| Mounting | ER 16 |
| Cooling | external, p_{\max} 20 bar |
| Speed ratio | 1:2.07 (0.483) |
| X / Y / Z | 85 (3.35) / ±22.5 (±0.98) / ±22.5 (±0.89) mm (") |



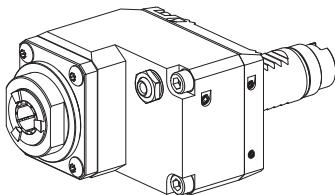
11050767 Drilling unit

| | |
|--------------------|-----------------------------|
| Fixation | none |
| Mounting | ER 16 |
| Cooling | external, p_{\max} 80 bar |
| Speed ratio | 1:1 (1) |
| X / Y / Z | 54 (2.13) / - / - mm (") |



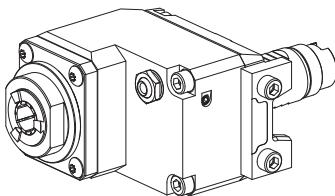
10205569 Drilling unit

| | |
|--------------------|--|
| Fixation | W serration |
| Mounting | ER 20 |
| Cooling | external and internal, p_{\max} 80 bar |
| Speed ratio | 1:3 (0.333) |
| X / Y / Z | 86.1 (3.39) / - / 35 (1.38) mm (") |



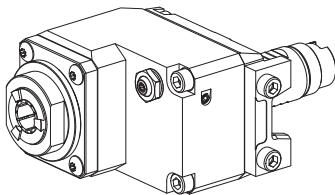
11005948 Drilling unit

| | |
|--------------------|------------------------------------|
| Fixation | W serration |
| Mounting | ER 20 |
| Cooling | external, p_{\max} 80 bar |
| Speed ratio | 1:3 (0.333) |
| X / Y / Z | 86.1 (3.39) / - / 35 (1.38) mm (") |



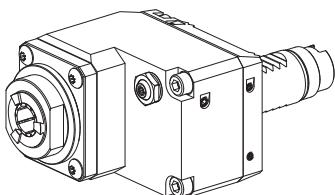
10385172 Drilling unit

| | |
|--------------------|------------------------------------|
| Fixation | Vee bar |
| Mounting | ER 20 |
| Cooling | external, p_{\max} 80 bar |
| Speed ratio | 1:3 (0.333) |
| X / Y / Z | 86.1 (3.39) / - / 35 (1.38) mm (") |



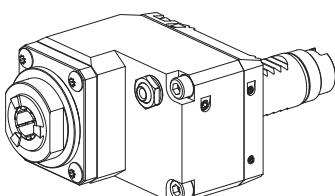
11016410 Drilling unit

| | |
|--------------------|--|
| Fixation | Vee bar |
| Mounting | ER 20 |
| Cooling | external and internal, p_{\max} 80 bar |
| Speed ratio | 1:3 (0.333) |
| X / Y / Z | 86.1 (3.39) / – / 35 (1.38) mm (") |



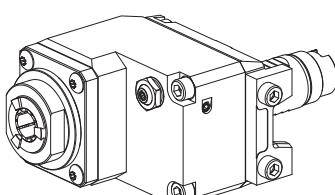
10380606 Drilling unit

| | |
|--------------------|--|
| Fixation | W serration |
| Mounting | ER 20 |
| Cooling | external and internal, p_{\max} 80 bar |
| Speed ratio | 1:2 (0.5) |
| X / Y / Z | 86.1 (3.39) / – / 35 (1.38) mm (") |



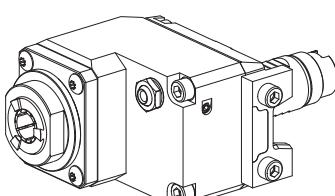
10453045 Drilling unit

| | |
|--------------------|------------------------------------|
| Fixation | W serration |
| Mounting | ER 20 |
| Cooling | external, p_{\max} 80 bar |
| Speed ratio | 1:2 (0.5) |
| X / Y / Z | 86.1 (3.39) / – / 35 (1.38) mm (") |



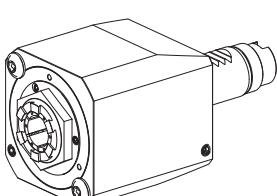
10767041 Drilling unit

| | |
|--------------------|--|
| Fixation | Vee bar |
| Mounting | ER 20 |
| Cooling | external and internal, p_{\max} 80 bar |
| Speed ratio | 1:2 (0.5) |
| X / Y / Z | 86.1 (3.39) / – / 35 (1.38) mm (") |



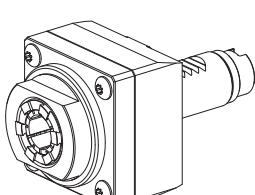
10892233 Drilling unit

| | |
|--------------------|----------------------------------|
| Fixation | Vee bar |
| Mounting | ER 20 |
| Cooling | external, p_{\max} 80 bar |
| Speed ratio | 1:2 (0.5) |
| X / Y / Z | 86 (3.39) / – / 35 (1.38) mm (") |



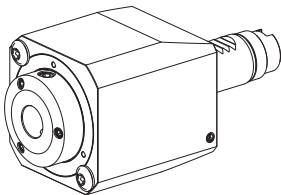
10506013 Drilling unit

| | |
|--------------------|-----------------------------|
| Fixation | none |
| Mounting | ER 25 |
| Cooling | internal, p_{\max} 80 bar |
| Speed ratio | 1:1 (1) |
| X / Y / Z | 81 (3.19) / – / – mm (") |



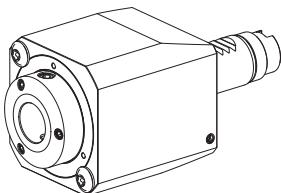
10828154 Drilling unit

| | |
|--------------------|-----------------------------|
| Fixation | none |
| Mounting | ER 25 |
| Cooling | external, p_{\max} 80 bar |
| Speed ratio | 1:1 (1) |
| X / Y / Z | 57 (2.24) / – / – mm (") |



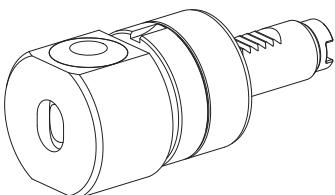
10161303 Drilling unit

| | |
|--------------------|----------------------------|
| Fixation | none |
| Mounting | DIN 1835 B/E D16 (0.63 ") |
| Cooling | internal, p_{max} 80 bar |
| Speed ratio | 1:1 (1) |
| X / Y / Z | 89 (3.50) / - / - mm (") |



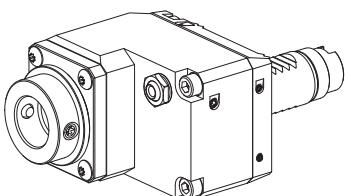
10081050 Drilling unit

| | |
|--------------------|----------------------------|
| Fixation | none |
| Mounting | DIN 1835 B/E D20 (0.79 ") |
| Cooling | internal, p_{max} 80 bar |
| Speed ratio | 1:1 (1) |
| X / Y / Z | 89 (3.50) / - / - mm (") |



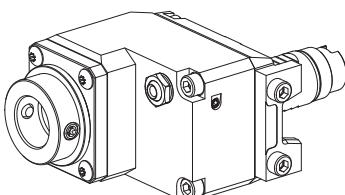
11018190 Drilling unit, adjustable

| | |
|--------------------|----------------------------|
| Fixation | none |
| Mounting | D16 (0.63 ") |
| Cooling | external, p_{max} 80 bar |
| Speed ratio | 1:1 (1) |
| X / Y / Z | 83 (3.27) / - / - mm (") |



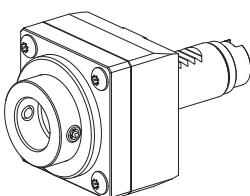
10415684 Drilling unit

| | |
|--------------------|------------------------------------|
| Fixation | W serration |
| Mounting | WFB 24-16 |
| Cooling | external, p_{max} 80 bar |
| Speed ratio | 1:3 (0.333) |
| X / Y / Z | 89.6 (3.53) / - / 35 (1.38) mm (") |



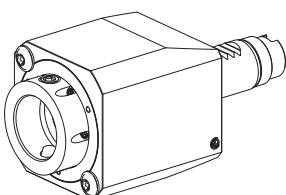
10535176 Drilling unit

| | |
|--------------------|------------------------------------|
| Fixation | Vee bar |
| Mounting | WFB 24-16 |
| Cooling | external, p_{max} 80 bar |
| Speed ratio | 1:3 (0.333) |
| X / Y / Z | 89.6 (3.53) / - / 35 (1.38) mm (") |



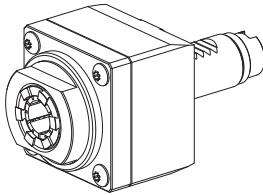
10275970 Drilling unit

| | |
|--------------------|----------------------------|
| Fixation | none |
| Mounting | WFB 24-16 |
| Cooling | external, p_{max} 80 bar |
| Speed ratio | 1:1 (1) |
| X / Y / Z | 59 (2.32) / - / - mm (") |



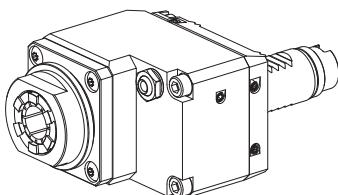
10857273 Drilling unit

| | |
|--------------------|----------------------------|
| Fixation | none |
| Mounting | WFB 32-20 |
| Cooling | internal, p_{max} 80 bar |
| Speed ratio | 1:1 (1) |
| X / Y / Z | 90 (3.54) / - / - mm (") |



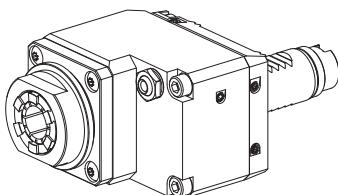
11067030 Milling unit

| | |
|--------------------|-----------------------------|
| Fixation | none |
| Mounting | ER 25 |
| Cooling | external, p_{\max} 80 bar |
| Speed ratio | 1:1 (1) |
| X / Y / Z | 67 (2.64) / - / mm (") |



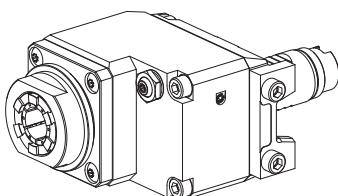
10716400 Milling unit

| | |
|--------------------|--|
| Fixation | W serration |
| Mounting | ER 25 |
| Cooling | external and internal, p_{\max} 80 bar |
| Speed ratio | 1:1 (1) |
| X / Y / Z | 89.9 (3.54) / - / 31 (1.22) mm (") |



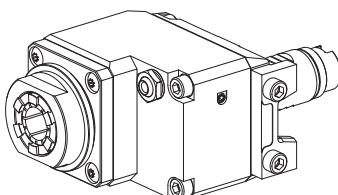
10991401 Milling unit

| | |
|--------------------|------------------------------------|
| Fixation | W serration |
| Mounting | ER 25 |
| Cooling | external, p_{\max} 80 bar |
| Speed ratio | 1:1 (1) |
| X / Y / Z | 89.9 (3.54) / - / 31 (1.22) mm (") |



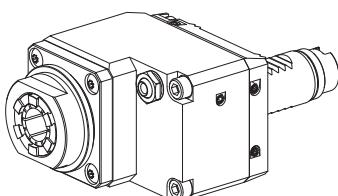
10031272 Milling unit

| | |
|--------------------|--|
| Fixation | Vee bar |
| Mounting | ER 25 |
| Cooling | external and internal, p_{\max} 80 bar |
| Speed ratio | 1:1 (1) |
| X / Y / Z | 89.9 (3.54) / - / 31 (1.22) mm (") |



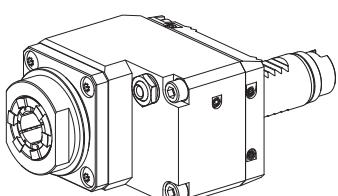
11030759 Milling unit

| | |
|--------------------|----------------------------------|
| Fixation | Vee bar |
| Mounting | ER 25 |
| Cooling | external, p_{\max} 80 bar |
| Speed ratio | 1:1 (1) |
| X / Y / Z | 90 (3.54) / - / 31 (1.22) mm (") |



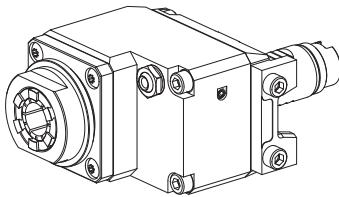
10265219 Milling unit

| | |
|--------------------|------------------------------------|
| Fixation | W serration |
| Mounting | ER 25 |
| Cooling | external, p_{\max} 80 bar |
| Speed ratio | 2:1 (2) |
| X / Y / Z | 89.9 (3.54) / - / 31 (1.22) mm (") |



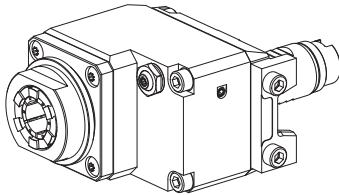
10322749 Milling unit

| | |
|--------------------|--|
| Fixation | W serration |
| Mounting | ER 25 |
| Cooling | external and internal, p_{\max} 80 bar |
| Speed ratio | 2:1 (2) |
| X / Y / Z | 89.9 (3.54) / - / 31 (1.22) mm (") |



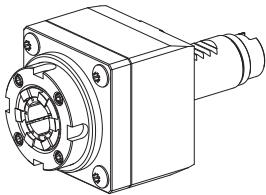
10907448 Milling unit

| | |
|--------------------|----------------------------------|
| Fixation | Vee bar |
| Mounting | ER 25 |
| Cooling | external, p_{\max} 80 bar |
| Speed ratio | 2:1 (2) |
| X / Y / Z | 90 (3.54) / - / 31 (1.22) mm (") |



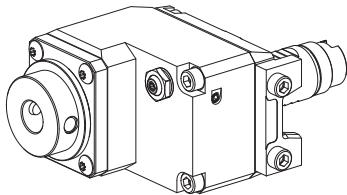
10987856 Milling unit

| | |
|--------------------|--|
| Fixation | Vee bar |
| Mounting | ER 25 |
| Cooling | external and internal, p_{\max} 80 bar |
| Speed ratio | 2:1 (2) |
| X / Y / Z | 89.9 (3.54) / - / 31 (1.22) mm (") |



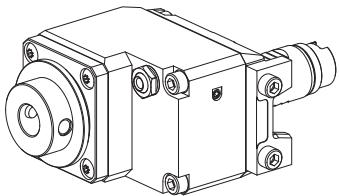
10292861 Milling unit

| | |
|--------------------|-----------------------------|
| Fixation | none |
| Mounting | ER 25 PRECI-FLEX |
| Cooling | external, p_{\max} 80 bar |
| Speed ratio | 1:1 (1) |
| X / Y / Z | 67 (2.64) / - / - mm (") |



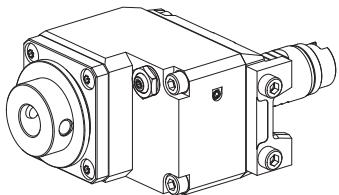
10748355 Milling unit

| | |
|--------------------|--|
| Fixation | Vee bar |
| Mounting | DIN 1835 B/E D15 (0.59 ") |
| Cooling | external and internal, p_{\max} 80 bar |
| Speed ratio | 1:2 (0.5) |
| X / Y / Z | 89.6 (3.53) / - / 35 (1.38) mm (") |



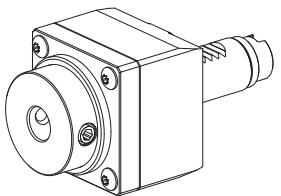
10345067 Milling unit

| | |
|--------------------|----------------------------------|
| Fixation | Vee bar |
| Mounting | DIN 1835 B/E D15 (0.59 ") |
| Cooling | external, p_{\max} 80 bar |
| Speed ratio | 1:1 (1) |
| X / Y / Z | 91 (3.58) / - / 31 (1.22) mm (") |



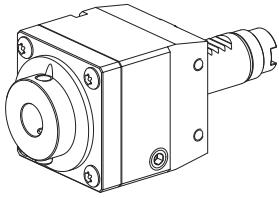
10409453 Milling unit

| | |
|--------------------|--|
| Fixation | Vee bar |
| Mounting | DIN 1835 B/E D15 (0.59 ") |
| Cooling | external and internal, p_{\max} 80 bar |
| Speed ratio | 1:1 (1) |
| X / Y / Z | 90.9 (3.58) / - / 31 (1.22) mm (") |



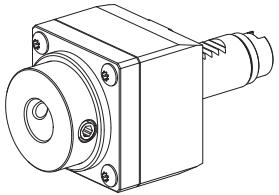
10202307 Milling unit

| | |
|--------------------|-----------------------------|
| Fixation | none |
| Mounting | DIN 1835 B/E D16 (0.63 ") |
| Cooling | external, p_{\max} 80 bar |
| Speed ratio | 1:1 (1) |
| X / Y / Z | 72 (2.83) / - / - mm (") |



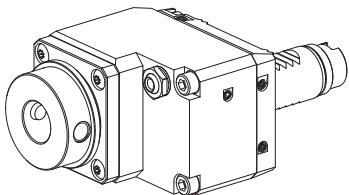
11063004 Milling unit

| | |
|--------------------|-------------------------------|
| Fixation | – |
| Mounting | DIN 1835 B/E D16 (0.63 ") |
| Cooling | external, p_{\max} 20 bar |
| Speed ratio | 4.5:1 (4.5) |
| X / Y / Z | 83.5 (3.29) / – / 0 () mm (") |



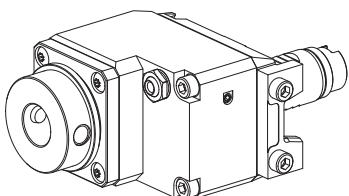
10307933 Milling unit

| | |
|--------------------|-----------------------------|
| Fixation | none |
| Mounting | DIN 1835 B/E D20 (0.79 ") |
| Cooling | external, p_{\max} 80 bar |
| Speed ratio | 1:1 (1) |
| X / Y / Z | 72 (2.83) / – / – mm (") |



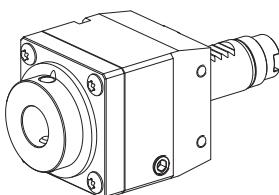
10719900 Milling unit

| | |
|--------------------|----------------------------------|
| Fixation | W serration |
| Mounting | DIN 1835 B/E D20 (0.79 ") |
| Cooling | external, p_{\max} 20 bar |
| Speed ratio | 2:1 (2) |
| X / Y / Z | 93 (3.66) / – / 31 (1.22) mm (") |



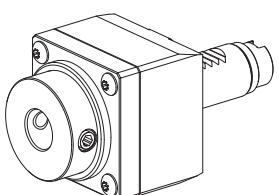
10642666 Milling unit

| | |
|--------------------|----------------------------------|
| Fixation | Vee bar |
| Mounting | DIN 1835 B/E D20 (0.79 ") |
| Cooling | external, p_{\max} 80 bar |
| Speed ratio | 2:1 (2) |
| X / Y / Z | 93 (3.66) / – / 31 (1.22) mm (") |



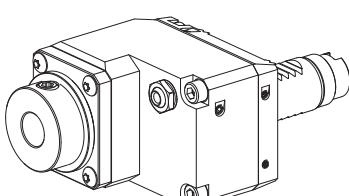
10591979 Milling unit

| | |
|--------------------|-------------------------------|
| Fixation | none |
| Mounting | DIN 1835 B/E D20 (0.79 ") |
| Cooling | external, p_{\max} 20 bar |
| Speed ratio | 4.5:1 (4.5) |
| X / Y / Z | 83.5 (3.29) / – / 0 () mm (") |



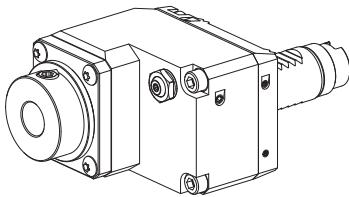
10857236 Milling unit

| | |
|--------------------|-----------------------------|
| Fixation | none |
| Mounting | DIN 1835 B/E D3/4" |
| Cooling | external, p_{\max} 80 bar |
| Speed ratio | 1:1 (1) |
| X / Y / Z | 72 (2.83) / – / – mm (") |



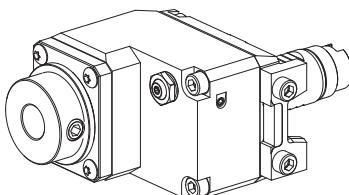
10136933 Milling unit

| | |
|--------------------|----------------------------------|
| Fixation | W serration |
| Mounting | D16 (0.63 ") |
| Cooling | external, p_{\max} 80 bar |
| Speed ratio | 1:2 (0.5) |
| X / Y / Z | 92 (3.62) / – / 35 (1.38) mm (") |



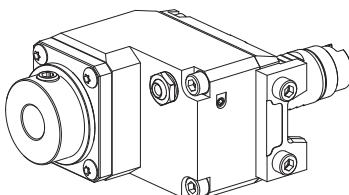
10410570 Milling unit

| | |
|--------------------|---|
| Fixation | W serration |
| Mounting | D16 (0.63 ") |
| Cooling | external and internal, p_{max} 80 bar |
| Speed ratio | 1:2 (0.5) |
| X / Y / Z | 92 (3.62) / - / 35 (1.38) mm (") |



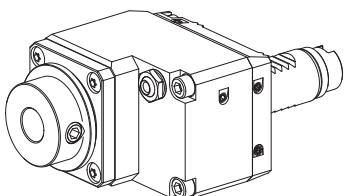
10480988 Milling unit

| | |
|--------------------|---|
| Fixation | Vee bar |
| Mounting | D16 (0.63 ") |
| Cooling | external and internal, p_{max} 80 bar |
| Speed ratio | 1:2 (0.5) |
| X / Y / Z | 92 (3.62) / - / 35 (1.38) mm (") |



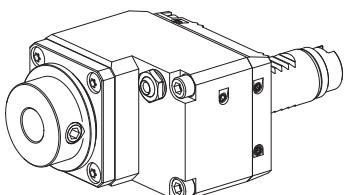
10790396 Milling unit

| | |
|--------------------|----------------------------------|
| Fixation | Vee bar |
| Mounting | D16 (0.63 ") |
| Cooling | external, p_{max} 80 bar |
| Speed ratio | 1:2 (0.5) |
| X / Y / Z | 92 (3.62) / - / 35 (1.38) mm (") |



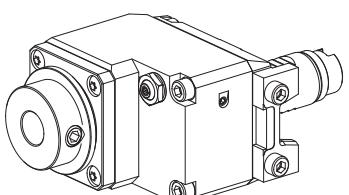
10420233 Milling unit

| | |
|--------------------|---|
| Fixation | W serration |
| Mounting | D16 (0.63 ") |
| Cooling | external and internal, p_{max} 80 bar |
| Speed ratio | 1:1 (1) |
| X / Y / Z | 93 (3.66) / - / 31 (1.22) mm (") |



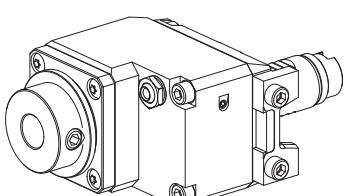
11062897 Milling unit

| | |
|--------------------|----------------------------------|
| Fixation | W serration |
| Mounting | D16 (0.63 ") |
| Cooling | external, p_{max} 80 bar |
| Speed ratio | 1:1 (1) |
| X / Y / Z | 93 (3.66) / - / 31 (1.22) mm (") |



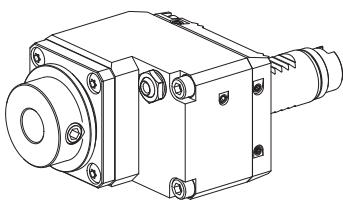
10860043 Milling unit

| | |
|--------------------|---|
| Fixation | Vee bar |
| Mounting | D16 (0.63 ") |
| Cooling | external and internal, p_{max} 80 bar |
| Speed ratio | 1:1 (1) |
| X / Y / Z | 93 (3.66) / - / 31 (1.22) mm (") |



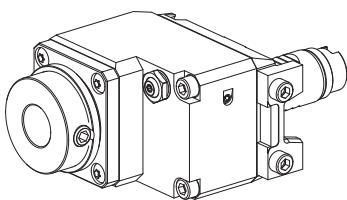
11043249 Milling unit

| | |
|--------------------|----------------------------------|
| Fixation | Vee bar |
| Mounting | D16 (0.63 ") |
| Cooling | external, p_{max} 80 bar |
| Speed ratio | 1:1 (1) |
| X / Y / Z | 93 (3.66) / - / 31 (1.22) mm (") |



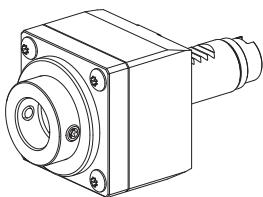
10038392 Milling unit

| | |
|--------------------|---|
| Fixation | W serration |
| Mounting | D16 (0.63 ") |
| Cooling | external and internal, p_{max} 80 bar |
| Speed ratio | 2:1 (2) |
| X / Y / Z | 93 (3.66) / - / 31 (1.22) mm (") |



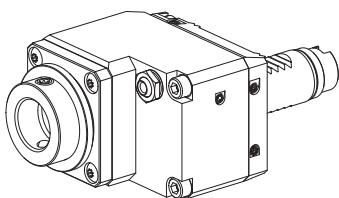
11090796 Milling unit

| | |
|--------------------|----------------------------------|
| Fixation | Vee bar |
| Mounting | D20 (0.79 ") |
| Cooling | internal, p_{max} 80 bar |
| Speed ratio | 2:1 (2) |
| X / Y / Z | 93 (3.66) / - / 31 (1.22) mm (") |



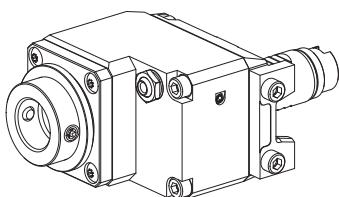
10801026 Milling unit

| | |
|--------------------|----------------------------|
| Fixation | none |
| Mounting | WFB 24-16 |
| Cooling | external, p_{max} 80 bar |
| Speed ratio | 1:1 (1) |
| X / Y / Z | 69 (2.72) / - / - mm (") |



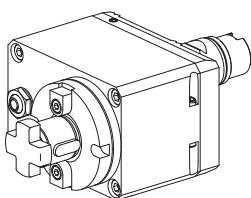
10061745 Milling unit

| | |
|--------------------|------------------------------------|
| Fixation | W serration |
| Mounting | WFB 24-16 |
| Cooling | external, p_{max} 80 bar |
| Speed ratio | 2:1 (2) |
| X / Y / Z | 91.4 (3.60) / - / 31 (1.22) mm (") |



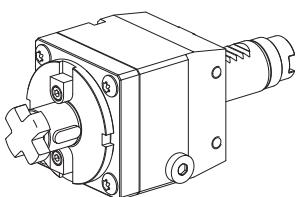
10411900 Milling unit

| | |
|--------------------|----------------------------------|
| Fixation | Vee bar |
| Mounting | WFB 24-16 |
| Cooling | external, p_{max} 80 bar |
| Speed ratio | 2:1 (2) |
| X / Y / Z | 91 (3.58) / - / 31 (1.22) mm (") |



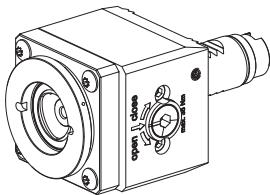
10570984 Milling unit

| | |
|--------------------|----------------------------------|
| Fixation | W serration |
| Mounting | Milling shaft D22 (0.87 ") |
| Cooling | external, p_{max} 80 bar |
| Speed ratio | 2:1 (2) |
| X / Y / Z | 76 (2.99) / - / 31 (1.22) mm (") |



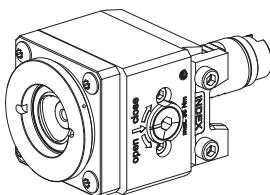
10425512 Milling unit

| | |
|--------------------|-------------------------------|
| Fixation | none |
| Mounting | Milling shaft D22 (0.87 ") |
| Cooling | external, p_{max} 20 bar |
| Speed ratio | 4.5:1 (4.5) |
| X / Y / Z | 73.5 (2.89) / - / 0 () mm (") |



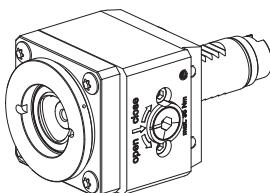
10277256 Milling unit

| | |
|--------------------|-----------------------------|
| Fixation | W serration |
| Mounting | INDEX TRAUB CAPTO C3 |
| Cooling | external, p_{\max} 80 bar |
| Speed ratio | 1:1 (1) |
| X / Y / Z | 65 (2.56) / - / - mm (") |



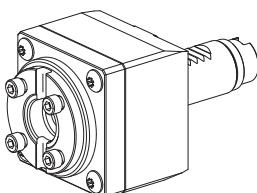
11040377 Milling unit

| | |
|--------------------|-----------------------------|
| Fixation | Vee bar |
| Mounting | INDEX TRAUB CAPTO C3 |
| Cooling | external, p_{\max} 80 bar |
| Speed ratio | 1:1 (1) |
| X / Y / Z | 65 (2.56) / - / 0 () mm (") |



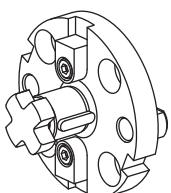
10902254 Milling unit

| | |
|--------------------|-----------------------------|
| Fixation | - |
| Mounting | INDEX TRAUB CAPTO C3 |
| Cooling | external, p_{\max} 80 bar |
| Speed ratio | 1:1 (1) |
| X / Y / Z | 65 (2.56) / - / - mm (") |



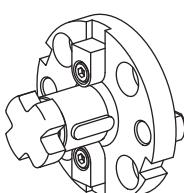
10211631 Milling unit

| | |
|--------------------|-----------------------------|
| Fixation | none |
| Mounting | - |
| Cooling | external, p_{\max} 80 bar |
| Speed ratio | 1:1 (1) |
| X / Y / Z | 62 (2.44) / - / - mm (") |



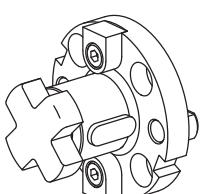
10670447 Milling cutter holding block

| | |
|------------------|----------------------------|
| Fixation | - |
| Mounting | Milling shaft D13 (0.51 ") |
| Cooling | - |
| X / Y / Z | - / - / - mm (") |



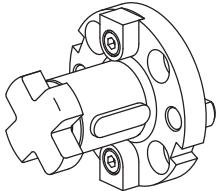
11041286 Milling cutter holding block

| | |
|------------------|----------------------------|
| Fixation | - |
| Mounting | Milling shaft D16 (0.63 ") |
| Cooling | - |
| X / Y / Z | - / - / - mm (") |



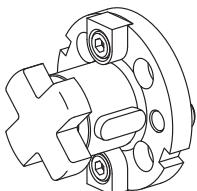
10435497 Milling cutter holding block

| | |
|------------------|----------------------------|
| Fixation | - |
| Mounting | Milling shaft D22 (0.87 ") |
| Cooling | - |
| X / Y / Z | - / - / - mm (") |



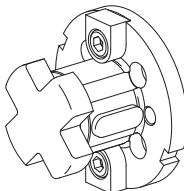
12011567 Milling cutter holding block

| | |
|------------------|----------------------------|
| Fixation | – |
| Mounting | Milling shaft D22 (0.87 ") |
| Cooling | – |
| X / Y / Z | 32.5 (1.28) / – / – mm (") |



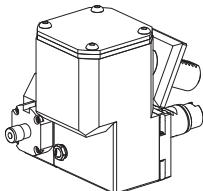
10807705 Milling cutter holding block

| | |
|------------------|----------------------------|
| Fixation | – |
| Mounting | Milling shaft D27 (1.06 ") |
| Cooling | – |
| X / Y / Z | – / – / – mm (") |



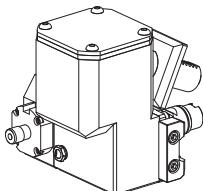
10223928 Milling cutter holding block

| | |
|------------------|----------------------------|
| Fixation | – |
| Mounting | Milling shaft D32 (1.26 ") |
| Cooling | – |
| X / Y / Z | – / – / – mm (") |



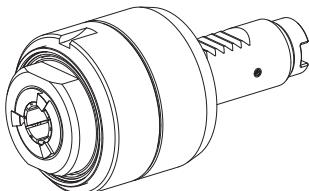
10799280 High-frequency spindle unit

| | |
|--------------------|------------------------------------|
| Fixation | W serration |
| Mounting | ER 8 |
| Cooling | external, p_{\max} 5 bar |
| Speed ratio | 1:10 (0.1) |
| X / Y / Z | 91.5 (3.60) / – / 61 (2.40) mm (") |



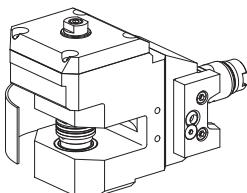
10968517 High-frequency spindle unit

| | |
|--------------------|------------------------------------|
| Fixation | Vee bar |
| Mounting | ER 8 |
| Cooling | external, p_{\max} 5 bar |
| Speed ratio | 1:10 (0.1) |
| X / Y / Z | 91.5 (3.60) / – / 61 (2.40) mm (") |



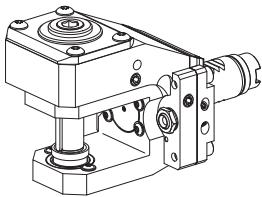
10838429 Tapping unit, extendable

| | |
|--------------------|-----------------------------|
| Fixation | none |
| Mounting | ER 20 |
| Cooling | external, p_{\max} 20 bar |
| Speed ratio | 1:1 (1) |
| X / Y / Z | 60 (2.36) / – / – mm (") |



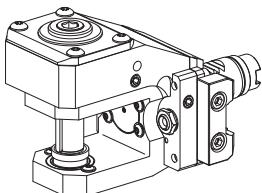
10403930 Circular saw unit, vertically adjustable

| | |
|--------------------|-----------------------------|
| Fixation | Vee bar |
| Mounting | Milling shaft D16 (0.63 ") |
| Cooling | external, p_{\max} 20 bar |
| Speed ratio | 2.05:1 (2.05) |
| X / Y / Z | 79.5 (3.13) / – / – mm (") |



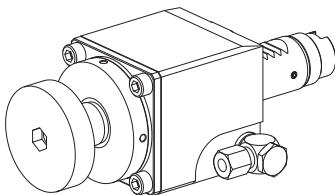
10546310 Circular saw unit

| | |
|--------------------|-----------------------------|
| Fixation | W serration |
| Mounting | Milling shaft D16 (0.63 ") |
| Cooling | external, p_{\max} 80 bar |
| Speed ratio | 3.5:1 (3.5) |
| X / Y / Z | 79 (3.11) / - / - mm (") |



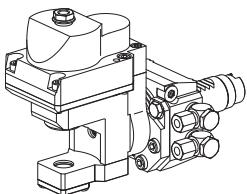
10444685 Circular saw unit

| | |
|--------------------|-----------------------------|
| Fixation | Vee bar |
| Mounting | Milling shaft D16 (0.63 ") |
| Cooling | external, p_{\max} 80 bar |
| Speed ratio | 3.5:1 (3.5) |
| X / Y / Z | 79 (3.11) / - / - mm (") |



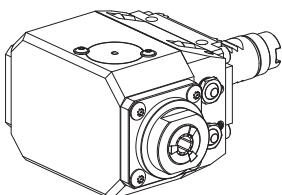
10074535 Grinding unit

| | |
|--------------------|-----------------------------|
| Fixation | none |
| Mounting | D20 (0.79 ") |
| Cooling | external, p_{\max} 20 bar |
| Speed ratio | 1:1 (1) |
| X / Y / Z | 75 (2.95) / - / - mm (") |



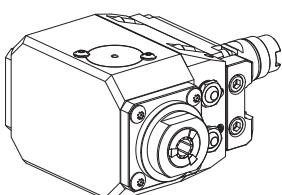
10877481 Gear cutting unit, angle-adjustable

| | |
|--------------------|-----------------------------|
| Fixation | W serration |
| Mounting | - |
| Cooling | external, p_{\max} 40 bar |
| Speed ratio | 2:1 (2) |
| X / Y / Z | - / - / - mm (") |



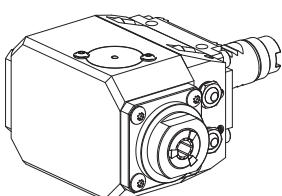
10793977 Drilling unit

| | |
|--------------------|--|
| Fixation | W serration |
| Mounting | ER 16 |
| Cooling | external, internal optional, p_{\max} 80 bar |
| Speed ratio | 1:2.88 (0.347) |
| X / Y / Z | 70 (2.76) / - / 80 (3.15) mm (") |



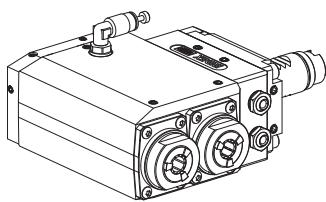
10293075 Drilling unit

| | |
|--------------------|--|
| Fixation | Vee bar |
| Mounting | ER 16 |
| Cooling | external, internal optional, p_{\max} 80 bar |
| Speed ratio | 1:2.88 (0.347) |
| X / Y / Z | 70 (2.76) / - / 80 (3.15) mm (") |



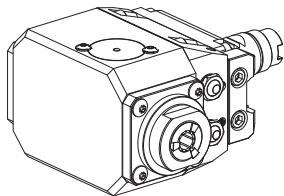
10363369 Drilling unit

| | |
|--------------------|--|
| Fixation | W serration |
| Mounting | ER 16 |
| Cooling | external, internal optional, p_{\max} 80 bar |
| Speed ratio | 1:2 (0.5) |
| X / Y / Z | 70 (2.76) / - / 80 (3.15) mm (") |



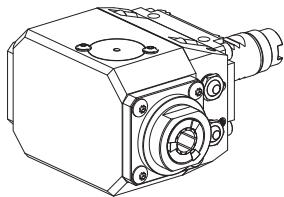
10115327 Drilling unit, double

| | |
|--------------------|---|
| Fixation | Vee bar |
| Mounting | ER 16 |
| Cooling | external, p_{\max} 80 bar |
| Speed ratio | 1:2 (0.5) |
| X / Y / Z | 70 + 110 (2.76 + 4.33) / - / 71 (2.80) mm (") |



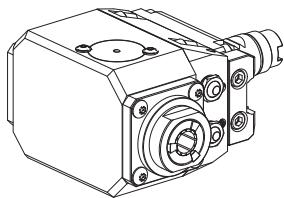
10298225 Drilling unit

| | |
|--------------------|--|
| Fixation | Vee bar |
| Mounting | ER 16 |
| Cooling | external, internal optional, p_{\max} 80 bar |
| Speed ratio | 1:2 (0.5) |
| X / Y / Z | 70 (2.76) / - / 80 (3.15) mm (") |



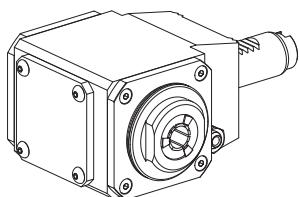
11064426 Drilling unit

| | |
|--------------------|--|
| Fixation | W serration |
| Mounting | ER 20 |
| Cooling | external, internal optional, p_{\max} 80 bar |
| Speed ratio | 1:2 (0.5) |
| X / Y / Z | 70 (2.76) / - / 80 (3.15) mm (") |



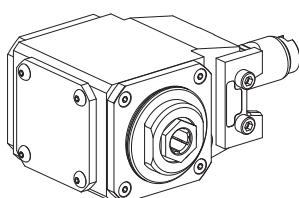
10303082 Drilling unit

| | |
|--------------------|--|
| Fixation | Vee bar |
| Mounting | ER 20 |
| Cooling | external, internal optional, p_{\max} 80 bar |
| Speed ratio | 1:2 (0.5) |
| X / Y / Z | 70 (2.76) / - / 80 (3.15) mm (") |



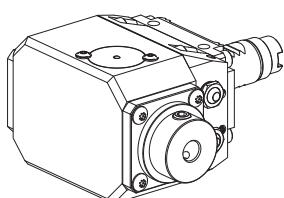
10045870 Drilling unit, double

| | |
|--------------------|--|
| Fixation | W serration |
| Mounting | ER 20 |
| Cooling | external, p_{\max} 80 bar |
| Speed ratio | 1:1 (1) |
| X / Y / Z | 70 (2.76) / - / 63 + 59 (2.48 + 2.32) mm (") |



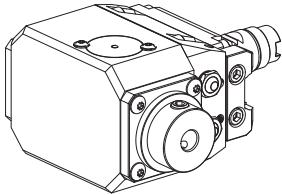
10826045 Drilling unit, double

| | |
|--------------------|----------------------------------|
| Fixation | Vee bar |
| Mounting | ER 20 |
| Cooling | external, p_{\max} 20 bar |
| Speed ratio | 1:1 (1) |
| X / Y / Z | 70 (2.76) / - / 61 (2.40) mm (") |



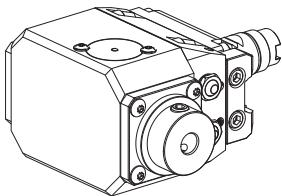
10180528 Drilling unit

| | |
|--------------------|--|
| Fixation | W serration |
| Mounting | DIN 1835 B/E D12 (0.47 ") |
| Cooling | external, internal optional, p_{\max} 80 bar |
| Speed ratio | 1:2.88 (0.347) |
| X / Y / Z | 70 (2.76) / - / 85.5 (3.37) mm (") |



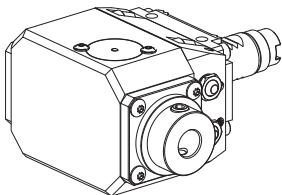
10826106 Drilling unit

| | |
|--------------------|---|
| Fixation | Vee bar |
| Mounting | DIN 1835 B/E D12 (0.47 ") |
| Cooling | external, internal optional, p_{max} 80 bar |
| Speed ratio | 1:2.88 (0.347) |
| X / Y / Z | 70 (2.76) / - / 85.5 (3.37) mm (") |



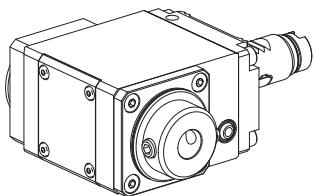
10665790 Drilling unit

| | |
|--------------------|---|
| Fixation | Vee bar |
| Mounting | DIN 1835 B/E D12 (0.47 ") |
| Cooling | external, internal optional, p_{max} 80 bar |
| Speed ratio | 1:2 (0.5) |
| X / Y / Z | 70 (2.76) / - / 85.5 (3.37) mm (") |



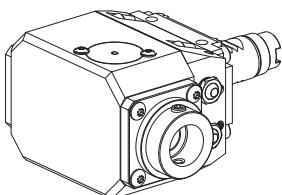
10822454 Drilling unit

| | |
|--------------------|---|
| Fixation | W serration |
| Mounting | DIN 1835 B/E D16 (0.63 ") |
| Cooling | external, internal optional, p_{max} 80 bar |
| Speed ratio | 1:2 (0.5) |
| X / Y / Z | 70 (2.76) / - / 85.5 (3.37) mm (") |



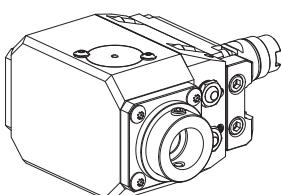
10472438 Drilling unit, vertically adjustable

| | |
|--------------------|---|
| Fixation | W serration |
| Mounting | DIN 1835 B/E D16 (0.63 ") |
| Cooling | external, internal optional, p_{max} 20 bar |
| Speed ratio | 2:1 (2) |
| X / Y / Z | 70 (2.76) / - / 66 (2.60) mm (") |



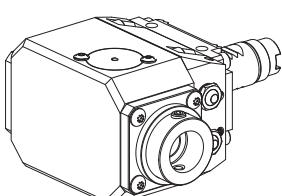
11024822 Drilling unit

| | |
|--------------------|---|
| Fixation | W serration |
| Mounting | WFB 24-16 |
| Cooling | external, internal optional, p_{max} 80 bar |
| Speed ratio | 1:2.88 (0.347) |
| X / Y / Z | 70 (2.76) / - / 82.5 (3.25) mm (") |



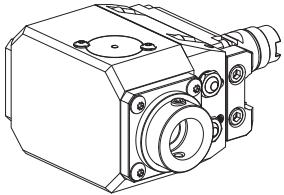
10860091 Drilling unit

| | |
|--------------------|---|
| Fixation | Vee bar |
| Mounting | WFB 24-16 |
| Cooling | external, internal optional, p_{max} 80 bar |
| Speed ratio | 1:2.88 (0.347) |
| X / Y / Z | 70 (2.76) / - / 82.5 (3.25) mm (") |



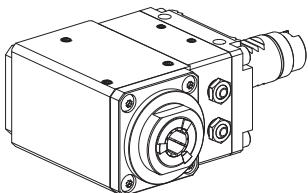
10592359 Drilling unit

| | |
|--------------------|---|
| Fixation | W serration |
| Mounting | WFB 24-16 |
| Cooling | external, internal optional, p_{max} 80 bar |
| Speed ratio | 1:2 (0.5) |
| X / Y / Z | 70 (2.76) / - / 82.5 (3.25) mm (") |



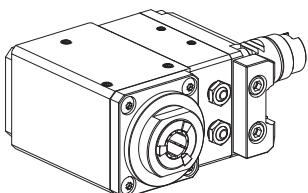
10512409 Drilling unit

| | |
|--------------------|---|
| Fixation | Vee bar |
| Mounting | WFB 24-16 |
| Cooling | external, internal optional, p_{max} 80 bar |
| Speed ratio | 1:2 (0.5) |
| X / Y / Z | 70 (2.76) / - / 82.5 (3.25) mm (") |



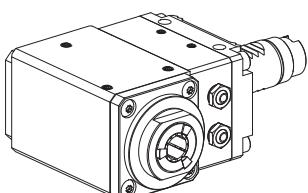
10017916 Milling unit

| | |
|--------------------|---|
| Fixation | W serration |
| Mounting | ER 20 |
| Cooling | external, internal optional, p_{max} 80 bar |
| Speed ratio | 1:1 (1) |
| X / Y / Z | 70 (2.76) / - / 60.5 (2.38) mm (") |



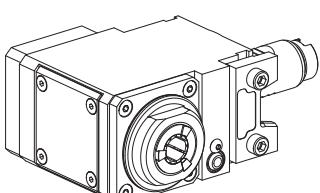
10111860 Milling unit

| | |
|--------------------|---|
| Fixation | Vee bar |
| Mounting | ER 20 |
| Cooling | external, internal optional, p_{max} 80 bar |
| Speed ratio | 1:1 (1) |
| X / Y / Z | 70 (2.76) / - / 61 (2.40) mm (") |



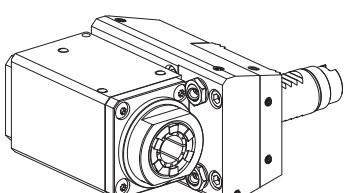
10362884 Milling unit

| | |
|--------------------|---|
| Fixation | W serration |
| Mounting | ER 20 |
| Cooling | external, internal optional, p_{max} 80 bar |
| Speed ratio | 2:1 (2) |
| X / Y / Z | 70 (2.76) / - / 61 (2.40) mm (") |



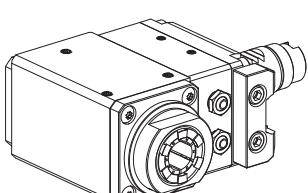
10764640 Milling unit

| | |
|--------------------|---|
| Fixation | Vee bar |
| Mounting | ER 20 |
| Cooling | external, internal optional, p_{max} 20 bar |
| Speed ratio | 2:1 (2) |
| X / Y / Z | 70 (2.76) / - / 53 (2.09) mm (") |



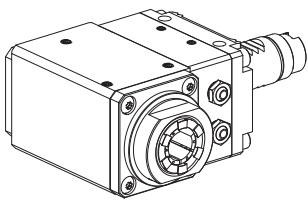
10703086 Milling unit, shifted

| | |
|--------------------|---|
| Fixation | W serration |
| Mounting | ER 25 |
| Cooling | external, internal optional, p_{max} 80 bar |
| Speed ratio | 1:1 (1) |
| X / Y / Z | 70 (2.76) / - / 22 (0.87) mm (") |



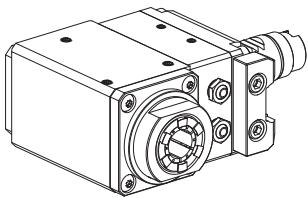
10892159 Milling unit

| | |
|--------------------|---|
| Fixation | Vee bar |
| Mounting | ER 25 |
| Cooling | external, internal optional, p_{max} 80 bar |
| Speed ratio | 1:1 (1) |
| X / Y / Z | 70 (2.76) / - / 64 (2.52) mm (") |



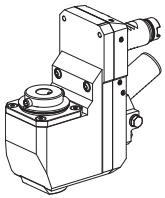
10079110 Milling unit

| | |
|--------------------|---|
| Fixation | W serration |
| Mounting | ER 25 |
| Cooling | external, internal optional, p_{max} 80 bar |
| Speed ratio | 2:1 (2) |
| X / Y / Z | 70 (2.76) / - / 64 (2.52) mm (") |



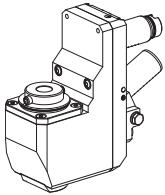
10941580 Milling unit

| | |
|--------------------|---|
| Fixation | Vee bar |
| Mounting | ER 25 |
| Cooling | external, internal optional, p_{max} 80 bar |
| Speed ratio | 2:1 (2) |
| X / Y / Z | 70 (2.76) / - / 64 (2.52) mm (") |



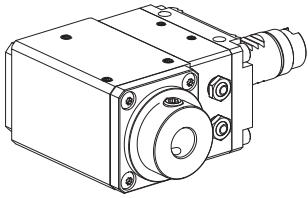
11031065 Milling unit

| | |
|--------------------|------------------------------------|
| Fixation | none |
| Mounting | DIN 1835 B/E D15 (0.59 ") |
| Cooling | external, p_{max} 20 bar |
| Speed ratio | 1:1 (1) |
| X / Y / Z | 75 (2.95) / -30 (-1.18) / - mm (") |



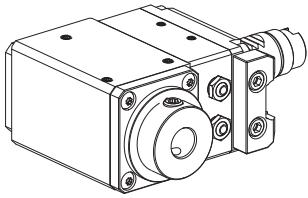
10762909 Milling unit

| | |
|--------------------|----------------------------|
| Fixation | none |
| Mounting | DIN 1835 B/E D15 (0.59 ") |
| Cooling | external, p_{max} 20 bar |
| Speed ratio | 2:1 (2) |
| X / Y / Z | 75 (2.95) / - / - mm (") |



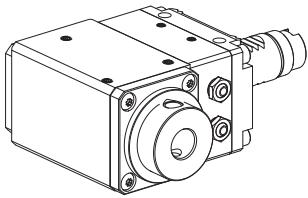
10425542 Milling unit

| | |
|--------------------|---|
| Fixation | W serration |
| Mounting | DIN 1835 B/E D16 (0.63 ") |
| Cooling | external, internal optional, p_{max} 80 bar |
| Speed ratio | 1:1 (1) |
| X / Y / Z | 70 (2.76) / - / 67 (2.64) mm (") |



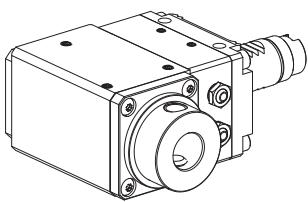
10517132 Milling unit

| | |
|--------------------|---|
| Fixation | Vee bar |
| Mounting | DIN 1835 B/E D16 (0.63 ") |
| Cooling | external, internal optional, p_{max} 80 bar |
| Speed ratio | 1:1 (1) |
| X / Y / Z | 70 (2.76) / - / 67 (2.64) mm (") |



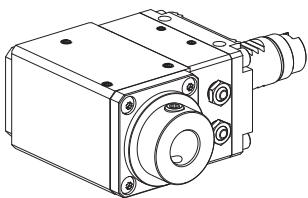
10702769 Milling unit

| | |
|--------------------|---|
| Fixation | W serration |
| Mounting | DIN 1835 B/E D16 (0.63 ") |
| Cooling | external, internal optional, p_{max} 80 bar |
| Speed ratio | 2:1 (2) |
| X / Y / Z | 70 (2.76) / - / 67 (2.64) mm (") |



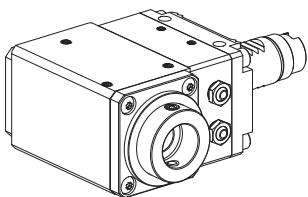
10444044 Milling unit

| | |
|--------------------|---|
| Fixation | W serration |
| Mounting | DIN 1835 B/E D20 (0.79 ") |
| Cooling | external, internal optional, p_{max} 80 bar |
| Speed ratio | 2:1 (2) |
| X / Y / Z | 70 (2.76) / - / 71 (2.80) mm (") |



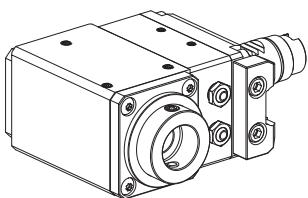
10721543 Milling unit

| | |
|--------------------|---|
| Fixation | W serration |
| Mounting | DIN 1835 B/E D3/4" |
| Cooling | external, internal optional, p_{max} 80 bar |
| Speed ratio | 1:1 (1) |
| X / Y / Z | 69.5 (2.74) / - / 68.5 (2.70) mm (") |



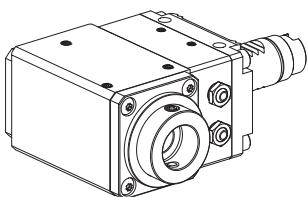
10169413 Milling unit

| | |
|--------------------|---|
| Fixation | W serration |
| Mounting | WFB 24-16 |
| Cooling | external, internal optional, p_{max} 80 bar |
| Speed ratio | 1:1 (1) |
| X / Y / Z | 70 (2.76) / - / 64.5 (2.54) mm (") |



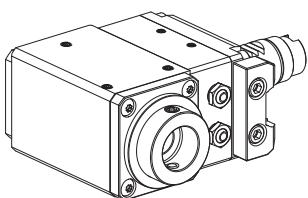
10193100 Milling unit

| | |
|--------------------|---|
| Fixation | Vee bar |
| Mounting | WFB 24-16 |
| Cooling | external, internal optional, p_{max} 80 bar |
| Speed ratio | 1:1 (1) |
| X / Y / Z | 70 (2.76) / - / 64.5 (2.54) mm (") |



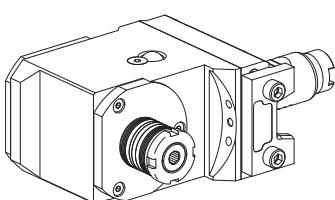
10216902 Milling unit

| | |
|--------------------|---|
| Fixation | W serration |
| Mounting | WFB 24-16 |
| Cooling | external, internal optional, p_{max} 80 bar |
| Speed ratio | 2:1 (2) |
| X / Y / Z | 70 (2.76) / - / 64.5 (2.54) mm (") |



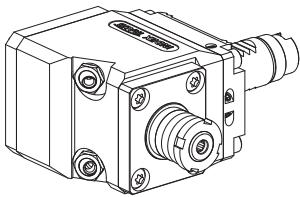
10196660 Milling unit

| | |
|--------------------|---|
| Fixation | Vee bar |
| Mounting | WFB 24-16 |
| Cooling | external, internal optional, p_{max} 80 bar |
| Speed ratio | 2:1 (2) |
| X / Y / Z | 70 (2.76) / - / 64.5 (2.54) mm (") |



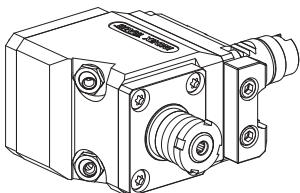
10715874 Milling unit

| | |
|--------------------|----------------------------------|
| Fixation | Vee bar |
| Mounting | Milling shaft D16 (0.63 ") |
| Cooling | external, p_{max} 20 bar |
| Speed ratio | 2.36:1 (2.36) |
| X / Y / Z | 73 (2.87) / - / 17 (0.67) mm (") |



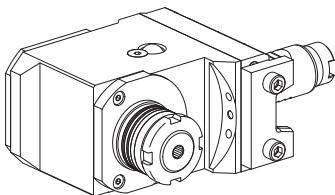
10483871 Milling unit

| | |
|--------------------|----------------------------------|
| Fixation | W serration |
| Mounting | Milling shaft D16 (0.63 ") |
| Cooling | external, p_{\max} 80 bar |
| Speed ratio | 2.5:1 (2.5) |
| X / Y / Z | 55 (2.17) / - / 45 (1.77) mm (") |



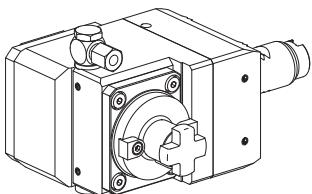
10272736 Milling unit

| | |
|--------------------|----------------------------------|
| Fixation | Vee bar |
| Mounting | Milling shaft D16 (0.63 ") |
| Cooling | external, p_{\max} 80 bar |
| Speed ratio | 2.5:1 (2.5) |
| X / Y / Z | 55 (2.17) / - / 45 (1.77) mm (") |



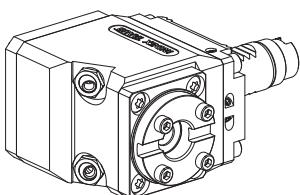
10660198 Milling unit

| | |
|--------------------|-----------------------------|
| Fixation | Vee bar |
| Mounting | Milling shaft D22 (0.87 ") |
| Cooling | external, p_{\max} 20 bar |
| Speed ratio | 2.36:1 (2.36) |
| X / Y / Z | 73 (2.87) / - / - mm (") |



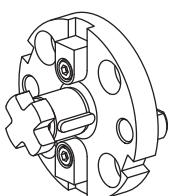
10356214 Milling unit

| | |
|--------------------|----------------------------------|
| Fixation | W serration |
| Mounting | Milling shaft D22 (0.87 ") |
| Cooling | external, p_{\max} 80 bar |
| Speed ratio | 2.5:1 (2.5) |
| X / Y / Z | 75 (2.95) / - / 41 (1.61) mm (") |



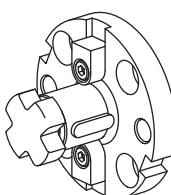
10838926 Milling unit

| | |
|--------------------|----------------------------------|
| Fixation | W serration |
| Mounting | - |
| Cooling | external, p_{\max} 80 bar |
| Speed ratio | 2.5:1 (2.5) |
| X / Y / Z | 55 (2.17) / - / 53 (2.09) mm (") |



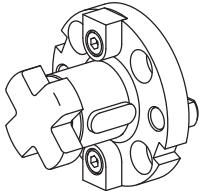
10670447 Milling cutter holding block

| | |
|------------------|----------------------------|
| Fixation | - |
| Mounting | Milling shaft D13 (0.51 ") |
| Cooling | - |
| X / Y / Z | - / - / - mm (") |



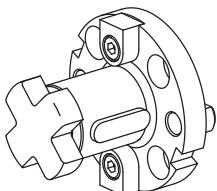
11041286 Milling cutter holding block

| | |
|------------------|----------------------------|
| Fixation | - |
| Mounting | Milling shaft D16 (0.63 ") |
| Cooling | - |
| X / Y / Z | - / - / - mm (") |



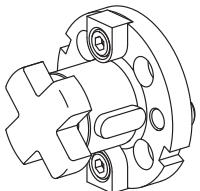
10435497 Milling cutter holding block

| | |
|------------------|----------------------------|
| Fixation | – |
| Mounting | Milling shaft D22 (0.87 ") |
| Cooling | – |
| X / Y / Z | – / – / – mm (") |



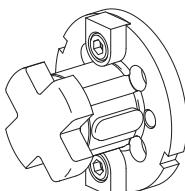
12011567 Milling cutter holding block

| | |
|------------------|----------------------------|
| Fixation | – |
| Mounting | Milling shaft D22 (0.87 ") |
| Cooling | – |
| X / Y / Z | 32.5 (1.28) / – / – mm (") |



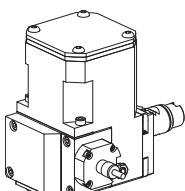
10807705 Milling cutter holding block

| | |
|------------------|----------------------------|
| Fixation | – |
| Mounting | Milling shaft D27 (1.06 ") |
| Cooling | – |
| X / Y / Z | – / – / – mm (") |



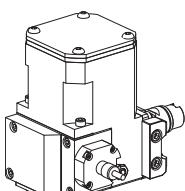
10223928 Milling cutter holding block

| | |
|------------------|----------------------------|
| Fixation | – |
| Mounting | Milling shaft D32 (1.26 ") |
| Cooling | – |
| X / Y / Z | – / – / – mm (") |



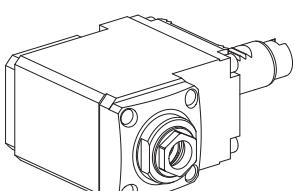
10838901 High-frequency spindle unit

| | |
|--------------------|------------------------------------|
| Fixation | W serration |
| Mounting | ER 8 |
| Cooling | external, p_{\max} 5 bar |
| Speed ratio | 1:10 (0.1) |
| X / Y / Z | 70 (2.76) / – / 70.5 (2.78) mm (") |



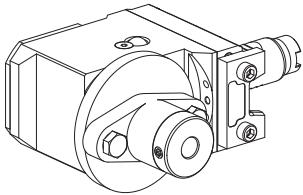
10903398 High-frequency spindle unit

| | |
|--------------------|------------------------------------|
| Fixation | Vee bar |
| Mounting | ER 8 |
| Cooling | external, p_{\max} 5 bar |
| Speed ratio | 1:10 (0.1) |
| X / Y / Z | 70 (2.76) / – / 70.5 (2.78) mm (") |



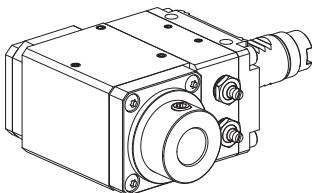
10390037 Tapping unit

| | |
|--------------------|----------------------------------|
| Fixation | W serration |
| Mounting | ER 20 |
| Cooling | external, p_{\max} 80 bar |
| Speed ratio | 2:1 (2) |
| X / Y / Z | 70 (2.76) / – / 69 (2.72) mm (") |



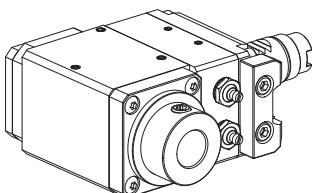
10692388 Broaching/ Slotting unit

| | |
|--------------------|------------------------------------|
| Fixation | Vee bar |
| Mounting | D12 (0.47 ") |
| Cooling | external, p_{\max} 80 bar |
| Speed ratio | 2.36:1 (2.36) |
| X / Y / Z | 73 (2.87) / - / 73.6 (2.90) mm (") |



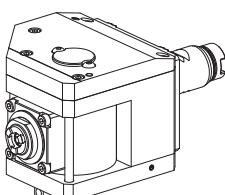
10766208 Broaching/ Slotting unit

| | |
|--------------------|--|
| Fixation | W serration |
| Mounting | D20 (0.79 ") |
| Cooling | external, internal optional, p_{\max} 80 bar |
| Speed ratio | 1:1 (1) |
| X / Y / Z | 70 (2.76) / - / 69 (2.72) mm (") |



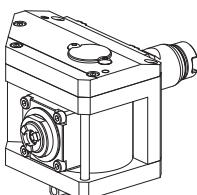
10971676 Broaching/ Slotting unit

| | |
|--------------------|--|
| Fixation | Vee bar |
| Mounting | D20 (0.79 ") |
| Cooling | external, internal optional, p_{\max} 80 bar |
| Speed ratio | 1:1 (1) |
| X / Y / Z | 70 (2.76) / - / 69 (2.72) mm (") |



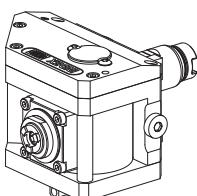
10566421 Drilling unit, angle-adjustable

| | |
|--------------------|----------------------------------|
| Fixation | W serration |
| Mounting | ER 11 |
| Cooling | external, p_{\max} 80 bar |
| Speed ratio | 1:1.7 (0.588) |
| X / Y / Z | 67 (2.64) / - / 24 (0.94) mm (") |



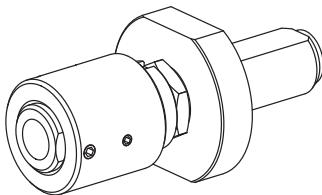
10649706 Drilling unit, angle-adjustable

| | |
|--------------------|----------------------------------|
| Fixation | W serration |
| Mounting | ER 11 |
| Cooling | external, p_{\max} 80 bar |
| Speed ratio | 1:1.7 (0.588) |
| X / Y / Z | 44 (1.73) / - / 37 (1.46) mm (") |



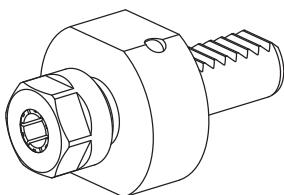
10345861 Drilling unit, angle-adjustable

| | |
|--------------------|----------------------------------|
| Fixation | Vee bar |
| Mounting | ER 11 |
| Cooling | external, p_{\max} 80 bar |
| Speed ratio | 1:1.7 (0.588) |
| X / Y / Z | 44 (1.73) / - / 67 (2.64) mm (") |



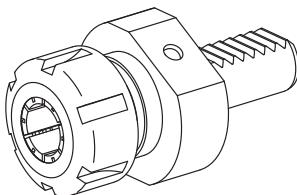
10979044 Bar stop, adjustable, live

| | |
|------------------|--|
| Fixation | none |
| Mounting | – |
| Cooling | – |
| X / Y / Z | 49.5 - 71.5 (1.95 - 2.81) / – / – mm (") |



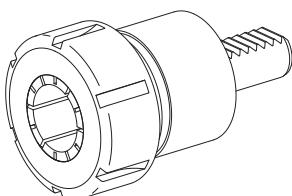
10592190 Drilling tool holder

| | |
|------------------|----------------------------|
| Fixation | none |
| Mounting | ER 16 |
| Cooling | internal, p_{max} 20 bar |
| X / Y / Z | 42.5 (1.67) / – / – mm (") |



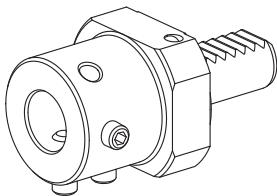
10620002 Drilling tool holder, Form E4

| | |
|------------------|----------------------------|
| Fixation | none |
| Mounting | ER 25 |
| Cooling | internal, p_{max} 80 bar |
| X / Y / Z | 51 (2.01) / – / – mm (") |



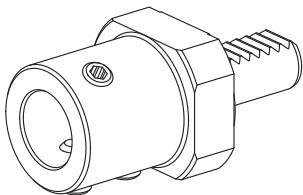
10980163 Drilling tool holder, Form E4

| | |
|------------------|----------------------------|
| Fixation | none |
| Mounting | ER 40 |
| Cooling | internal, p_{max} 20 bar |
| X / Y / Z | 66.5 (2.62) / – / – mm (") |



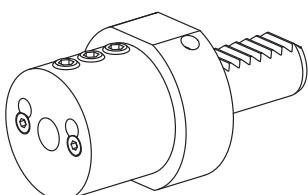
10359056 Drilling tool holder, Form E1

| | |
|------------------|----------------------------|
| Fixation | none |
| Mounting | DIN 1835 B/E D20 (0.79 ") |
| Cooling | internal, p_{max} 20 bar |
| X / Y / Z | 48 (1.89) / – / – mm (") |



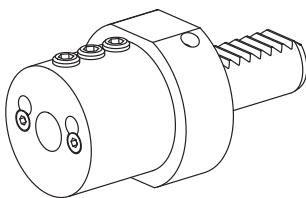
10880044 Drilling tool holder, Form E1

| | |
|------------------|----------------------------|
| Fixation | none |
| Mounting | DIN 1835 B/E D25 (0.98 ") |
| Cooling | internal, p_{max} 80 bar |
| X / Y / Z | 56.5 (2.22) / – / – mm (") |



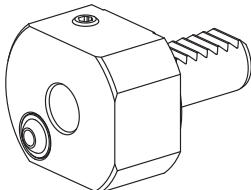
10879047 Drilling tool holder, Form E2

| | |
|------------------|----------------------------|
| Fixation | none |
| Mounting | D10 (0.39 ") |
| Cooling | external, p_{max} 20 bar |
| X / Y / Z | 50 (1.97) / – / – mm (") |



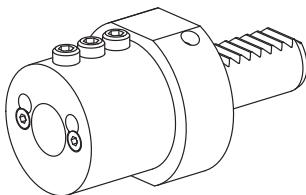
10367178 Drilling tool holder, Form E2

| | |
|------------------|-----------------------------|
| Fixation | none |
| Mounting | D12 (0.47 ") |
| Cooling | external, p_{\max} 20 bar |
| X / Y / Z | 50 (1.97) / - / - mm (") |



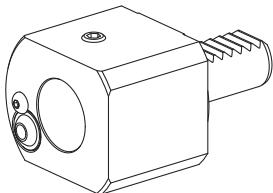
10271806 Drilling tool holder

| | |
|------------------|-----------------------------|
| Fixation | none |
| Mounting | D15 (0.59 ") |
| Cooling | external, p_{\max} 20 bar |
| X / Y / Z | 26 (1.02) / - / - mm (") |



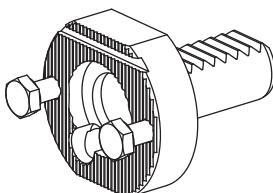
10630888 Drilling tool holder, Form E2

| | |
|------------------|-----------------------------|
| Fixation | none |
| Mounting | D16 (0.63 ") |
| Cooling | external, p_{\max} 20 bar |
| X / Y / Z | 50 (1.97) / - / - mm (") |



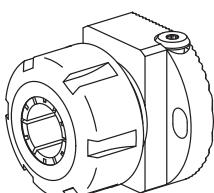
10270233 Drilling tool holder

| | |
|------------------|-----------------------------|
| Fixation | none |
| Mounting | D25 (0.98 ") |
| Cooling | external, p_{\max} 20 bar |
| X / Y / Z | 43 (1.69) / - / - mm (") |



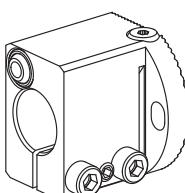
10711364 Basic holder, vertically adjustable

| | |
|------------------|-----------------------------|
| Fixation | none |
| Mounting | - |
| Cooling | internal, p_{\max} 20 bar |
| X / Y / Z | 14 (0.55) / - / - mm (") |



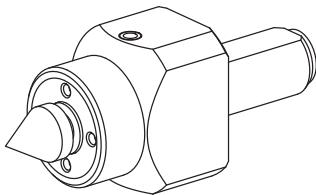
10285739 Drill holding block

| | |
|------------------|-----------------------------|
| Fixation | - |
| Mounting | ER 25 |
| Cooling | internal, p_{\max} 20 bar |
| X / Y / Z | 42.5 (1.67) / - / - mm (") |



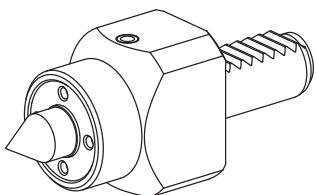
10099852 Drill holding block

| | |
|------------------|-----------------------------|
| Fixation | - |
| Mounting | D20 (0.79 ") |
| Cooling | external, p_{\max} 20 bar |
| X / Y / Z | 40 (1.57) / - / - mm (") |



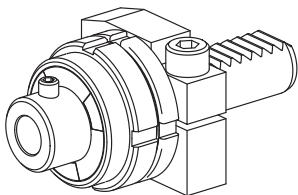
11042772 Center holder, elastic, live, Center replaceable

| | |
|------------------|--------------------------|
| Fixation | none |
| Mounting | MK0 |
| Cooling | – |
| X / Y / Z | 66 (2.60) / – / – mm (") |



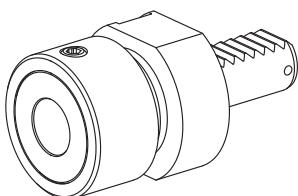
10573888 Center holder, elastic, live

| | |
|------------------|--------------------------|
| Fixation | none |
| Mounting | – |
| Cooling | – |
| X / Y / Z | 65 (2.56) / – / – mm (") |



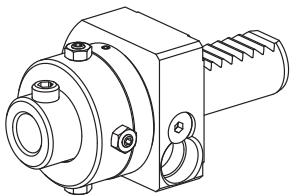
11041774 Tapping tool holder, over-running

| | |
|------------------|----------------------------|
| Fixation | none |
| Mounting | D12 (0.47 ") |
| Cooling | external, p_{max} 20 bar |
| X / Y / Z | 56 (2.20) / – / – mm (") |



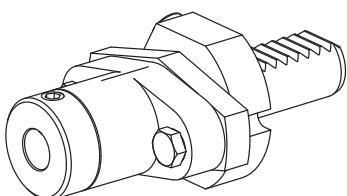
10010548 Tapping tool holder

| | |
|------------------|----------------------------|
| Fixation | none |
| Mounting | D18 (0.71 ") |
| Cooling | external, p_{max} 20 bar |
| X / Y / Z | 50.5 (1.99) / – / – mm (") |



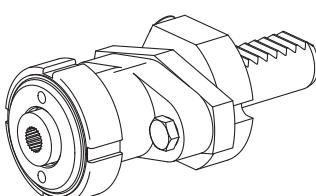
10078189 Reaming tool holder, adjustable

| | |
|------------------|----------------------------|
| Fixation | none |
| Mounting | D12 (0.47 ") |
| Cooling | external, p_{max} 20 bar |
| X / Y / Z | 52 (2.05) / – / – mm (") |



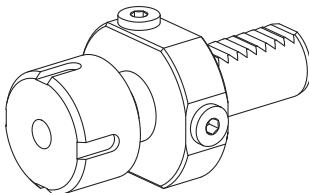
10061447 Broaching/ Slotting holder, rotating, live

| | |
|------------------|----------------------------|
| Fixation | none |
| Mounting | D12 (0.47 ") |
| Cooling | external, p_{max} 20 bar |
| X / Y / Z | 66 (2.60) / – / – mm (") |



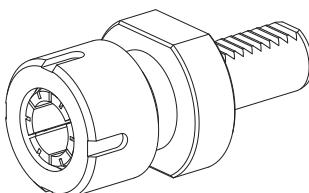
10548417 Broaching/ Slotting holder, rotating, live

| | |
|------------------|----------------------------|
| Fixation | none |
| Mounting | D24 (0.94 ") |
| Cooling | external, p_{max} 20 bar |
| X / Y / Z | 69 (2.72) / – / – mm (") |



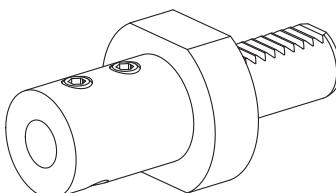
10027773 Drilling tool holder, Form E4

| | |
|------------------|-----------------------------|
| Fixation | none |
| Mounting | ER 25 |
| Cooling | internal, p_{\max} 40 bar |
| X / Y / Z | 57 (2.24) / - / - mm (") |



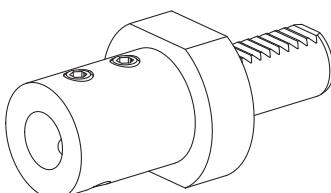
10406859 Drilling tool holder, Form E4

| | |
|------------------|-----------------------------|
| Fixation | none |
| Mounting | ER 32 |
| Cooling | internal, p_{\max} 80 bar |
| X / Y / Z | 62 (2.44) / - / - mm (") |



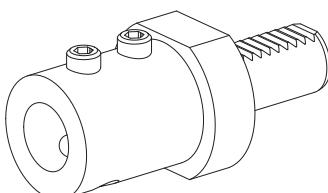
10882358 Drilling tool holder, Form E1

| | |
|------------------|-----------------------------|
| Fixation | none |
| Mounting | DIN 1835 B/E D16 (0.63 ") |
| Cooling | internal, p_{\max} 80 bar |
| X / Y / Z | 67 (2.64) / - / - mm (") |



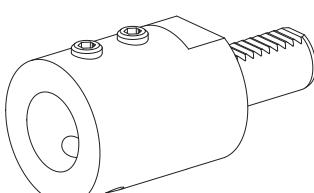
10003339 Drilling tool holder, Form E1

| | |
|------------------|-----------------------------|
| Fixation | none |
| Mounting | DIN 1835 B/E D20 (0.79 ") |
| Cooling | internal, p_{\max} 80 bar |
| X / Y / Z | 67 (2.64) / - / - mm (") |



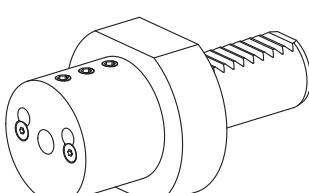
10340141 Drilling tool holder, Form E1

| | |
|------------------|-----------------------------|
| Fixation | none |
| Mounting | DIN 1835 B/E D25 (0.98 ") |
| Cooling | internal, p_{\max} 80 bar |
| X / Y / Z | 71 (2.80) / - / - mm (") |



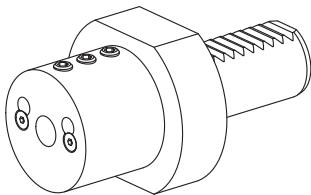
10919291 Drilling tool holder, Form E1

| | |
|------------------|-----------------------------|
| Fixation | none |
| Mounting | DIN 1835 B/E D32 (1.26 ") |
| Cooling | internal, p_{\max} 80 bar |
| X / Y / Z | 74 (2.91) / - / - mm (") |



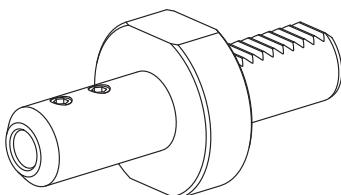
10058371 Drilling tool holder, Form E2

| | |
|------------------|--|
| Fixation | none |
| Mounting | D8 (0.31 ") |
| Cooling | external and internal, p_{\max} 80 bar |
| X / Y / Z | 50 (1.97) / - / - mm (") |



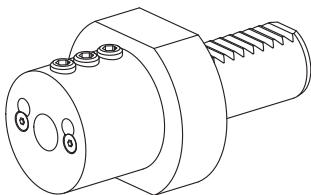
10503585 Drilling tool holder, Form E2

| | |
|------------------|---|
| Fixation | none |
| Mounting | D10 (0.39 ") |
| Cooling | external and internal, p_{max} 80 bar |
| X / Y / Z | 50 (1.97) / - / - mm (") |



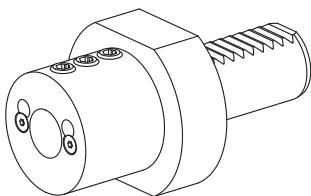
10773801 Drilling tool holder, Specially for the marking tool WriteStar

| | |
|------------------|--------------------------|
| Fixation | none |
| Mounting | D12 (0.47 ") |
| Cooling | - |
| X / Y / Z | 68 (2.68) / - / - mm (") |



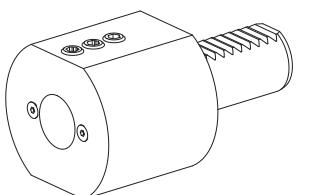
10983815 Drilling tool holder, Form E2

| | |
|------------------|---|
| Fixation | none |
| Mounting | D12 (0.47 ") |
| Cooling | external and internal, p_{max} 80 bar |
| X / Y / Z | 50 (1.97) / - / - mm (") |



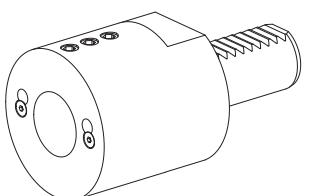
10471993 Drilling tool holder, Form E2

| | |
|------------------|---|
| Fixation | none |
| Mounting | D16 (0.63 ") |
| Cooling | external and internal, p_{max} 80 bar |
| X / Y / Z | 50 (1.97) / - / - mm (") |



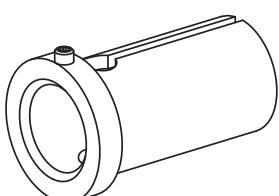
10749389 Drilling tool holder, Form E2

| | |
|------------------|---|
| Fixation | none |
| Mounting | D20 (0.79 ") |
| Cooling | external and internal, p_{max} 80 bar |
| X / Y / Z | 50 (1.97) / - / - mm (") |



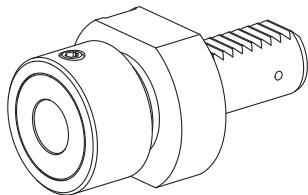
10329247 Drilling tool holder, Form E2

| | |
|------------------|---|
| Fixation | none |
| Mounting | D25 (0.98 ") |
| Cooling | external and internal, p_{max} 80 bar |
| X / Y / Z | 60 (2.36) / - / - mm (") |



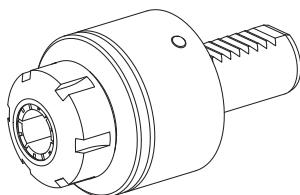
10208692 Compensation bushing

| | |
|------------------|-------------------------|
| Fixation | none |
| Mounting | D3/4" |
| Cooling | - |
| X / Y / Z | 6 (0.24) / - / - mm (") |



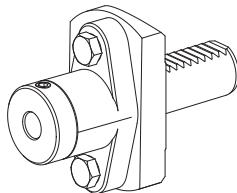
10467520 Tapping tool holder, extendable

| | |
|------------------|-----------------------------|
| Fixation | none |
| Mounting | DIN 1835 B/E D18 (0.71 ") |
| Cooling | external, p_{\max} 20 bar |
| X / Y / Z | 50 (1.97) / - / - mm (") |



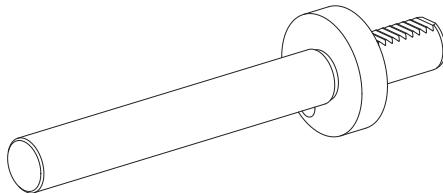
10365449 Reaming tool holder

| | |
|------------------|-----------------------------|
| Fixation | none |
| Mounting | ER 25 |
| Cooling | internal, p_{\max} 20 bar |
| X / Y / Z | 61 (2.40) / - / - mm (") |



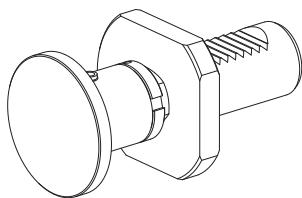
10252714 Broaching/ Slotting holder, rotating, live

| | |
|------------------|-----------------------------|
| Fixation | none |
| Mounting | D12 (0.47 ") |
| Cooling | external, p_{\max} 20 bar |
| X / Y / Z | 60 (2.36) / - / - mm (") |



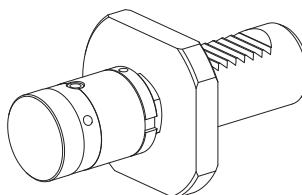
10489412 Calibrating tool

| | |
|------------------|---------------------------|
| Fixation | none |
| Mounting | - |
| Cooling | - |
| X / Y / Z | 190 (7.48) / - / - mm (") |



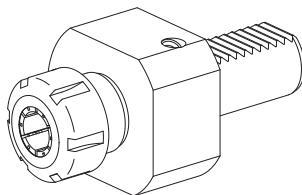
10428174 Bar stop, adjustable, live

| | |
|------------------|--------------------------------------|
| Fixation | none |
| Mounting | – |
| Cooling | – |
| X / Y / Z | 60 - 97 (2.36 - 3.82) / – / – mm (") |



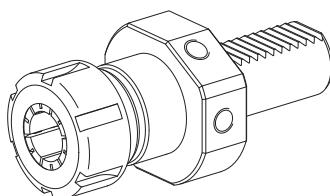
10679593 Bar stop, adjustable, live

| | |
|------------------|--------------------------------------|
| Fixation | none |
| Mounting | – |
| Cooling | – |
| X / Y / Z | 60 - 97 (2.36 - 3.82) / – / – mm (") |



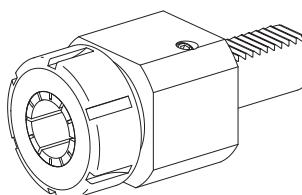
10424888 Drilling tool holder, Form E4

| | |
|------------------|----------------------------|
| Fixation | none |
| Mounting | ER 25 |
| Cooling | internal, p_{max} 80 bar |
| X / Y / Z | 68 (2.68) / – / – mm (") |



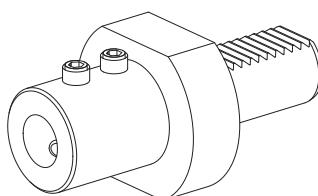
10453838 Drilling tool holder, Form E4

| | |
|------------------|----------------------------|
| Fixation | none |
| Mounting | ER 32 |
| Cooling | internal, p_{max} 20 bar |
| X / Y / Z | 76 (2.99) / – / – mm (") |



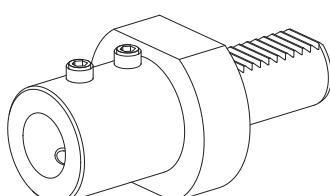
10239645 Drilling tool holder, Form E4

| | |
|------------------|----------------------------|
| Fixation | none |
| Mounting | ER 40 |
| Cooling | internal, p_{max} 80 bar |
| X / Y / Z | 80 (3.15) / – / – mm (") |



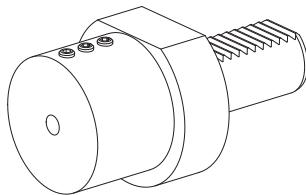
10502799 Drilling tool holder, Form E1

| | |
|------------------|----------------------------|
| Fixation | none |
| Mounting | DIN 1835 E D20 (0.79 ") |
| Cooling | internal, p_{max} 80 bar |
| X / Y / Z | 67 (2.64) / – / – mm (") |



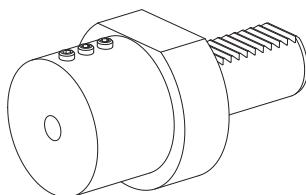
10659026 Drilling tool holder, Form E1

| | |
|------------------|----------------------------|
| Fixation | none |
| Mounting | DIN 1835 E D25 (0.98 ") |
| Cooling | internal, p_{max} 80 bar |
| X / Y / Z | 71 (2.80) / – / – mm (") |



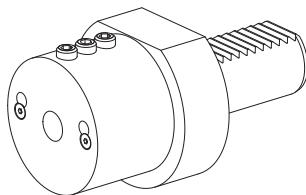
10168049 Drilling tool holder, Form E2

| | |
|------------------|---|
| Fixation | none |
| Mounting | D8 (0.31 ") |
| Cooling | external and internal, p_{max} 20 bar |
| X / Y / Z | 60 (2.36) / - / - mm (") |



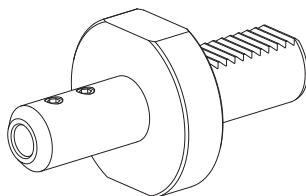
10364335 Drilling tool holder, Form E2

| | |
|------------------|---|
| Fixation | none |
| Mounting | D10 (0.39 ") |
| Cooling | external and internal, p_{max} 20 bar |
| X / Y / Z | 60 (2.36) / - / - mm (") |



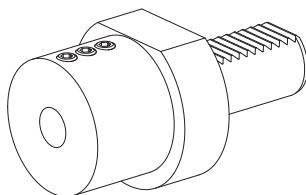
10240059 Drilling tool holder, Form E2

| | |
|------------------|---|
| Fixation | none |
| Mounting | D12 (0.47 ") |
| Cooling | external and internal, p_{max} 20 bar |
| X / Y / Z | 60 (2.36) / - / - mm (") |



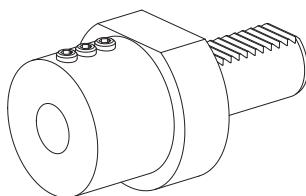
11043672 Drilling tool holder, Specially for the marking tool WriteStar

| | |
|------------------|--------------------------|
| Fixation | none |
| Mounting | D12 (0.47 ") |
| Cooling | - |
| X / Y / Z | 68 (2.68) / - / - mm (") |



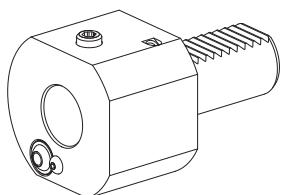
10298106 Drilling tool holder, Form E2

| | |
|------------------|---|
| Fixation | none |
| Mounting | D16 (0.63 ") |
| Cooling | external and internal, p_{max} 20 bar |
| X / Y / Z | 60 (2.36) / - / - mm (") |



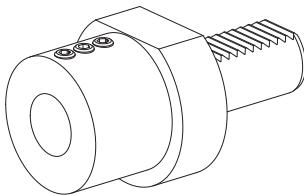
10806859 Drilling tool holder, Form E2

| | |
|------------------|---|
| Fixation | none |
| Mounting | D20 (0.79 ") |
| Cooling | external and internal, p_{max} 20 bar |
| X / Y / Z | 60 (2.36) / - / - mm (") |



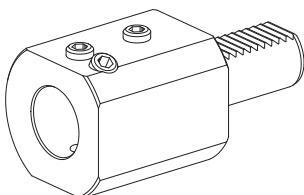
10040148 Drilling tool holder

| | |
|------------------|---|
| Fixation | none |
| Mounting | D25 (0.98 ") |
| Cooling | external and internal, p_{max} 40 bar |
| X / Y / Z | 45 (1.77) / - / - mm (") |



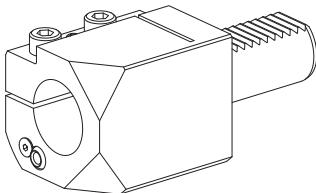
10175060 Drilling tool holder, Form E2

| | |
|------------------|---|
| Fixation | none |
| Mounting | D25 (0.98 ") |
| Cooling | external and internal, p_{max} 20 bar |
| X / Y / Z | 60 (2.36) / - / - mm (") |



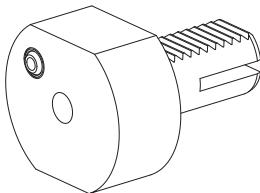
10601688 Drilling tool holder

| | |
|------------------|----------------------------|
| Fixation | none |
| Mounting | D32 (1.26 ") |
| Cooling | internal, p_{max} 80 bar |
| X / Y / Z | 73 (2.87) / - / - mm (") |



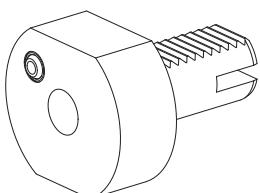
11055569 Drilling tool holder, Form E2

| | |
|------------------|----------------------------|
| Fixation | none |
| Mounting | D32 (1.26 ") |
| Cooling | external, p_{max} 20 bar |
| X / Y / Z | 70 (2.76) / - / - mm (") |



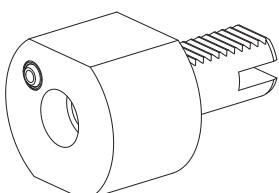
10631335 Drilling tool holder

| | |
|------------------|----------------------------|
| Fixation | none |
| Mounting | MK1 |
| Cooling | external, p_{max} 20 bar |
| X / Y / Z | 30 (1.18) / - / - mm (") |



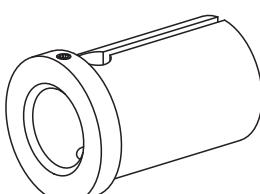
10550804 Drilling tool holder

| | |
|------------------|----------------------------|
| Fixation | none |
| Mounting | MK2 |
| Cooling | external, p_{max} 20 bar |
| X / Y / Z | 27 (1.06) / - / - mm (") |



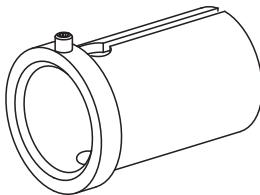
10677499 Drilling tool holder

| | |
|------------------|----------------------------|
| Fixation | none |
| Mounting | MK3 |
| Cooling | external, p_{max} 20 bar |
| X / Y / Z | 45 (1.77) / - / - mm (") |



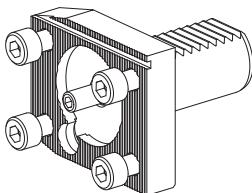
10921732 Compensation bushing

| | |
|------------------|-------------------------|
| Fixation | none |
| Mounting | D3/4" |
| Cooling | - |
| X / Y / Z | 6 (0.24) / - / - mm (") |



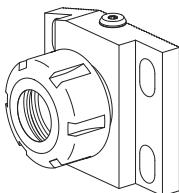
11033529 Compensation bushing

| | |
|------------------|-------------------------|
| Fixation | none |
| Mounting | D1" |
| Cooling | – |
| X / Y / Z | 6 (0.24) / – / – mm (") |



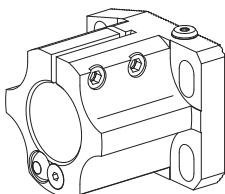
10217247 Basic holder, vertically adjustable

| | |
|------------------|-----------------------------|
| Fixation | none |
| Mounting | – |
| Cooling | external, p_{\max} 20 bar |
| X / Y / Z | 14 (0.55) / – / – mm (") |



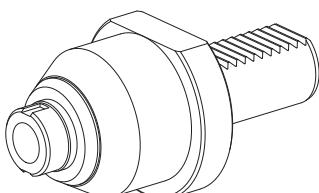
10374519 Drill holding block

| | |
|------------------|--------------------------|
| Fixation | – |
| Mounting | ER 25 |
| Cooling | –, p_{\max} 40 bar |
| X / Y / Z | 30 (1.18) / – / – mm (") |



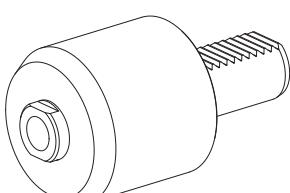
10193528 Drill holding block

| | |
|------------------|--------------------------|
| Fixation | – |
| Mounting | D32 (1.26 ") |
| Cooling | –, p_{\max} 40 bar |
| X / Y / Z | 57 (2.24) / – / – mm (") |



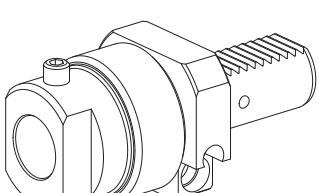
10387522 Center holder, elastic, live

| | |
|------------------|----------------------------|
| Fixation | none |
| Mounting | D15.4 (0.61 ")/Cone 1:7.5 |
| Cooling | – |
| X / Y / Z | 68.5 (2.70) / – / – mm (") |



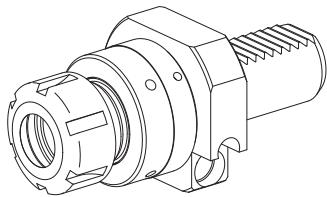
10593935 Center holder, live

| | |
|------------------|----------------------------|
| Fixation | none |
| Mounting | D15.4 (0.61 ")/Cone 1:7.5 |
| Cooling | – |
| X / Y / Z | 69.5 (2.74) / – / – mm (") |



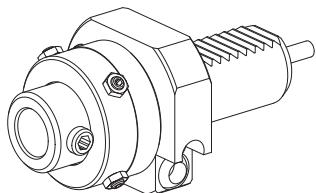
10301384 Tapping tool holder, extendable

| | |
|------------------|-----------------------------|
| Fixation | none |
| Mounting | D25 (0.98 ") |
| Cooling | external, p_{\max} 20 bar |
| X / Y / Z | 73 (2.87) / – / – mm (") |



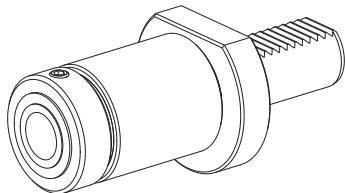
10894326 Reaming tool holder, adjustable

| | |
|------------------|-----------------------------|
| Fixation | none |
| Mounting | ER 25 |
| Cooling | external, p_{\max} 20 bar |
| X / Y / Z | 73.5 (2.89) / - / - mm (") |



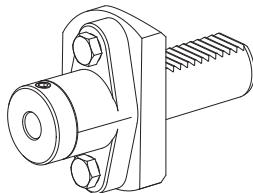
11041243 Reaming tool holder, adjustable

| | |
|------------------|-----------------------------|
| Fixation | none |
| Mounting | D18 (0.71 ") |
| Cooling | external, p_{\max} 20 bar |
| X / Y / Z | 59 (2.32) / - / - mm (") |



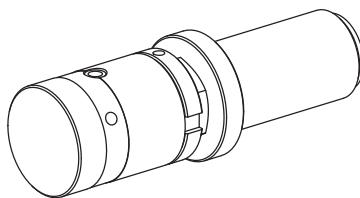
10459517 Reaming tool holder, self-centering

| | |
|------------------|-----------------------------|
| Fixation | none |
| Mounting | D20 (0.79 ") |
| Cooling | internal, p_{\max} 40 bar |
| X / Y / Z | 93 (3.66) / - / - mm (") |



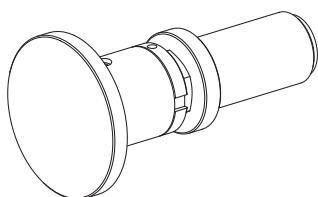
10929722 Broaching/ Slotting holder, rotating, live

| | |
|------------------|-----------------------------|
| Fixation | none |
| Mounting | D12 (0.47 ") |
| Cooling | external, p_{\max} 20 bar |
| X / Y / Z | 60 (2.36) / - / - mm (") |



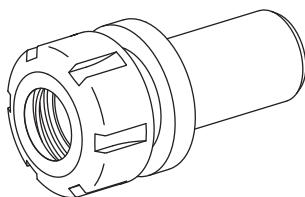
10142581 Bar stop, adjustable, live

| | |
|------------------|--------------------------------------|
| Fixation | none |
| Mounting | – |
| Cooling | – |
| X / Y / Z | 58 - 94 (2.28 - 3.70) / – / – mm (") |



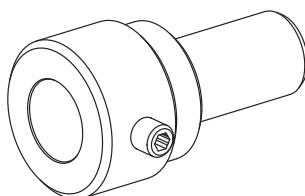
10866327 Bar stop, adjustable, live

| | |
|------------------|--------------------------------------|
| Fixation | none |
| Mounting | – |
| Cooling | – |
| X / Y / Z | 58 - 94 (2.28 - 3.70) / – / – mm (") |



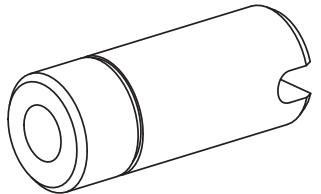
10884174 Drilling tool holder

| | |
|------------------|--------------------------|
| Fixation | none |
| Mounting | ER 25 |
| Cooling | – |
| X / Y / Z | 22 (0.87) / – / – mm (") |



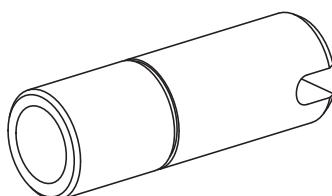
10036301 Drilling tool holder

| | |
|------------------|--------------------------|
| Fixation | none |
| Mounting | D25 (0.98 ") |
| Cooling | – |
| X / Y / Z | 40 (1.57) / – / – mm (") |



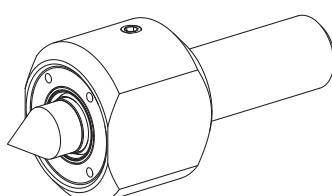
11061115 Drilling tool holder

| | |
|------------------|--------------------------|
| Fixation | none |
| Mounting | MK1 |
| Cooling | – |
| X / Y / Z | 16 (0.63) / – / – mm (") |



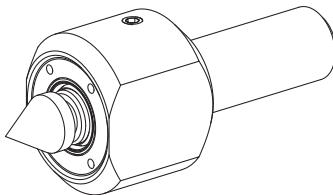
10083633 Drilling tool holder

| | |
|------------------|--------------------------|
| Fixation | none |
| Mounting | MK2 |
| Cooling | – |
| X / Y / Z | 29 (1.14) / – / – mm (") |



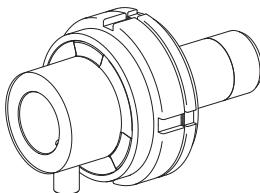
10886503 Center holder, elastic, live

| | |
|------------------|----------------------------|
| Fixation | none |
| Mounting | D18 (0.71 ") |
| Cooling | – |
| X / Y / Z | 72.5 (2.85) / – / – mm (") |



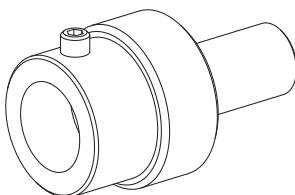
10816897 Center holder, elastic, live

| | |
|------------------|----------------------------|
| Fixation | none |
| Mounting | MK1 |
| Cooling | – |
| X / Y / Z | 72.5 (2.85) / – / – mm (") |



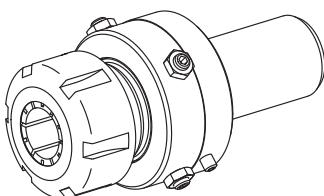
10390181 Tapping tool holder, over-running

| | |
|------------------|--------------------------|
| Fixation | none |
| Mounting | D25 (0.98 ") |
| Cooling | – |
| X / Y / Z | 56 (2.20) / – / – mm (") |



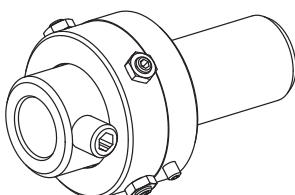
10628055 Tapping tool holder, extendable

| | |
|------------------|--------------------------|
| Fixation | none |
| Mounting | D25 (0.98 ") |
| Cooling | – |
| X / Y / Z | 52 (2.05) / – / – mm (") |



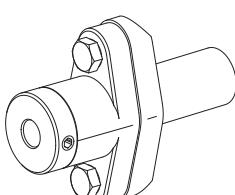
10631262 Reaming tool holder, adjustable

| | |
|------------------|--------------------------|
| Fixation | none |
| Mounting | ER 25 |
| Cooling | – |
| X / Y / Z | 55 (2.17) / – / – mm (") |



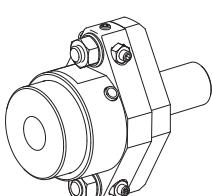
10448325 Reaming tool holder, adjustable

| | |
|------------------|--------------------------|
| Fixation | none |
| Mounting | D18 (0.71 ") |
| Cooling | – |
| X / Y / Z | 41 (1.61) / – / – mm (") |



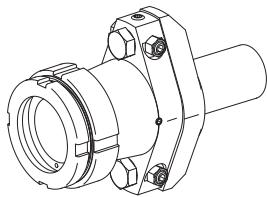
10826026 Broaching/ Slotting holder, rotating, live

| | |
|------------------|--------------------------|
| Fixation | none |
| Mounting | D12 (0.47 ") |
| Cooling | – |
| X / Y / Z | 58 (2.28) / – / – mm (") |



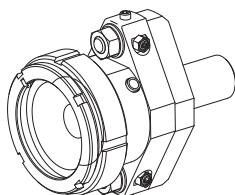
10913831 Broaching/ Slotting holder, rotating, live

| | |
|------------------|--------------------------|
| Fixation | none |
| Mounting | D20 (0.79 ") |
| Cooling | – |
| X / Y / Z | 76 (2.99) / – / – mm (") |



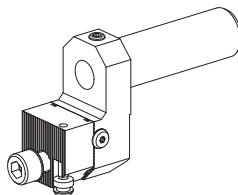
10281269 Broaching/ Slotting holder, rotating, live

| | |
|------------------|--------------------------------------|
| Fixation | none |
| Mounting | D40 (1.57 ") |
| Cooling | – |
| X / Y / Z | 78 - 88 (3.07 - 3.46) / – / – mm (") |



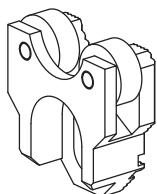
11062082 Broaching/ Slotting holder

| | |
|------------------|--------------------------------------|
| Fixation | none |
| Mounting | D50 (1.97 ") |
| Cooling | – |
| X / Y / Z | 80 - 90 (3.15 - 3.54) / – / – mm (") |



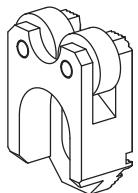
10929225 Guide holder

| | |
|------------------|--------------------------|
| Fixation | none |
| Mounting | – |
| Cooling | – |
| X / Y / Z | 57 (2.24) / – / – mm (") |



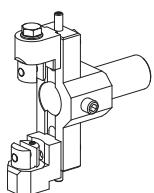
10665432 Roller holding block, adjustable

| | |
|------------------|------------------|
| Fixation | – |
| Mounting | – |
| Cooling | – |
| X / Y / Z | – / – / – mm (") |



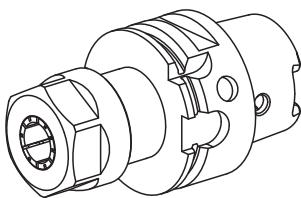
11002956 Roller holding block, adjustable

| | |
|------------------|------------------|
| Fixation | – |
| Mounting | – |
| Cooling | – |
| X / Y / Z | – / – / – mm (") |



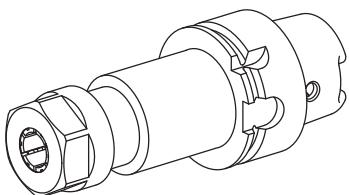
10722345 Knurling tool holder, adjustable

| | |
|------------------|-----------------------|
| Fixation | none |
| Mounting | D6-36 (0.24 "-1.24 ") |
| Cooling | – |
| X / Y / Z | – / – / – mm (") |



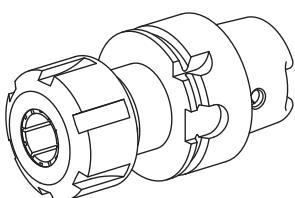
10856434 Drilling tool holder

Form A
Mounting ER 16
Cooling internal, p_{\max} 80 bar
X / Z 50 (1.97) / – mm ("")



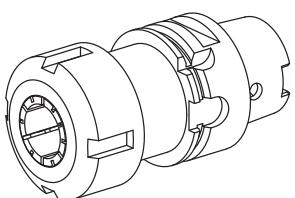
10254870 Drilling tool holder

Form A
Mounting ER 16
Cooling internal, p_{\max} 80 bar
X / Z 80 (3.15) / – mm ("")



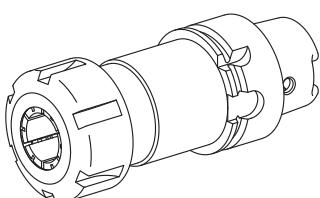
10677445 Drilling tool holder

Form A
Mounting ER 20
Cooling internal, p_{\max} 80 bar
X / Z 55 (2.17) / – mm ("")



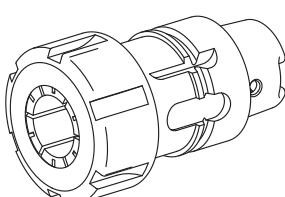
11014232 Drilling tool holder

Form A
Mounting ER 25
Cooling internal, p_{\max} 80 bar
X / Z 60 (2.36) / – mm ("")



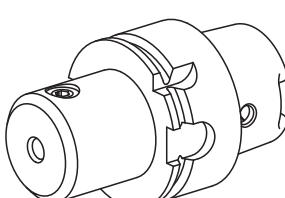
10407049 Drilling tool holder

Form A
Mounting ER 25
Cooling internal, p_{\max} 80 bar
X / Z 80 (3.15) / – mm ("")



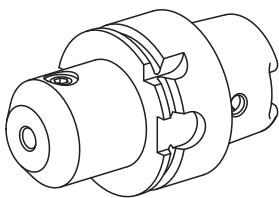
10167006 Drilling tool holder

Form A
Mounting ER 32
Cooling internal, p_{\max} 80 bar
X / Z 63 (2.48) / – mm ("")



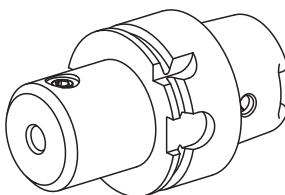
10921846 Drilling tool holder

Form A
Mounting DIN 1835 B/E D5 (0.20 ")
Cooling internal, p_{\max} 80 bar
X / Z 45.5 (1.79) / – mm ("")



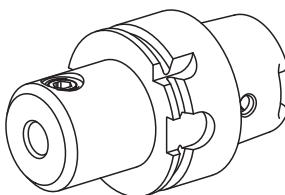
10670123 Drilling tool holder

Form A
Mounting DIN 1835 B/E D5 (0.20 ")
Cooling internal, p_{max} 80 bar
X / Z 60 (2.36) / – mm (")



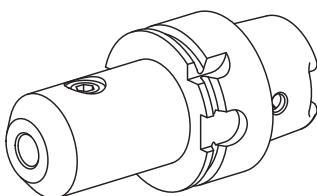
10199822 Drilling tool holder

Form A
Mounting DIN 1835 B/E D6 (0.24 ")
Cooling internal, p_{max} 80 bar
X / Z 45.5 (1.79) / – mm (")



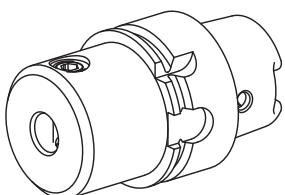
11008616 Drilling tool holder

Form A
Mounting DIN 1835 B/E D8 (0.31 ")
Cooling internal, p_{max} 80 bar
X / Z 45.5 (1.79) / – mm (")



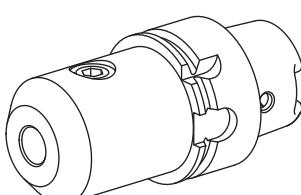
10097326 Drilling tool holder

Form A
Mounting DIN 1835 B/E D8 (0.31 ")
Cooling internal, p_{max} 80 bar
X / Z 60 (2.36) / – mm (")



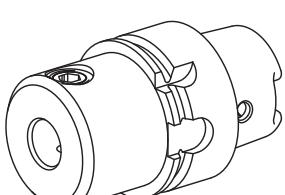
10378691 Drilling tool holder

Form A
Mounting DIN 1835 B/E D10 (0.39 ")
Cooling internal, p_{max} 80 bar
X / Z 45.5 (1.79) / – mm (")



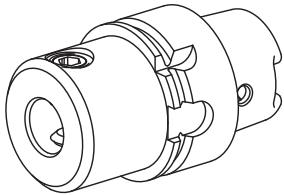
10461152 Drilling tool holder

Form A
Mounting DIN 1835 B/E D10 (0.39 ")
Cooling internal, p_{max} 80 bar
X / Z 60 (2.36) / – mm (")



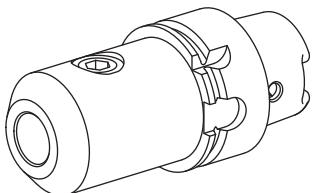
11050390 Drilling tool holder

Form A
Mounting DIN 1835 B/E D12 (0.47 ")
Cooling internal, p_{max} 80 bar
X / Z 45.5 (1.79) / – mm (")



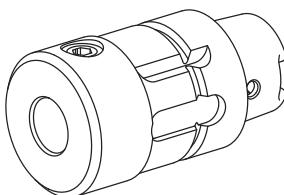
10076190 Drilling tool holder

Form A
Mounting DIN 1835 B/E D14 (0.55 ")
Cooling internal, p_{max} 80 bar
X / Z 45.5 (1.79) / – mm (")



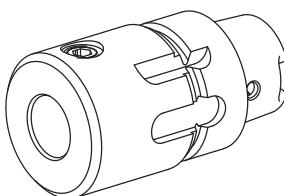
10156400 Drilling tool holder

Form A
Mounting DIN 1835 B/E D14 (0.55 ")
Cooling internal, p_{max} 80 bar
X / Z 65 (2.56) / – mm (")



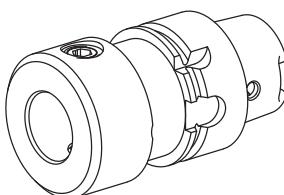
10549333 Drilling tool holder

Form A
Mounting DIN 1835 B/E D16 (0.63 ")
Cooling internal, p_{max} 50 bar
X / Z 55.5 (2.19) / – mm (")



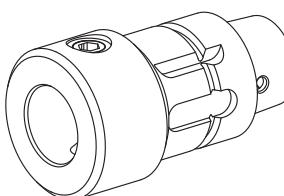
10566929 Drilling tool holder

Form A
Mounting DIN 1835 B/E D18 (0.71 ")
Cooling internal, p_{max} 80 bar
X / Z 55.5 (2.19) / – mm (")



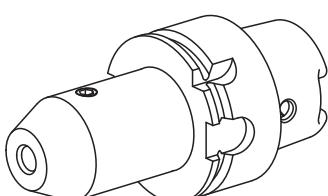
10533718 Drilling tool holder

Form A
Mounting DIN 1835 B/E D20 (0.79 ")
Cooling internal, p_{max} 80 bar
X / Z 55.5 (2.19) / – mm (")



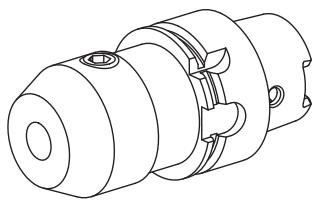
10853929 Drilling tool holder

Form A
Mounting DIN 1835 B/E D25 (0.98 ")
Cooling internal, p_{max} 50 bar
X / Z 65.5 (2.58) / – mm (")



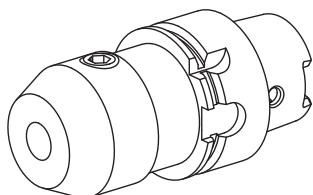
10929048 Drilling tool holder

Form A
Mounting D6 (0.24 ")
Cooling internal, p_{max} 80 bar
X / Z 60 (2.36) / – mm (")



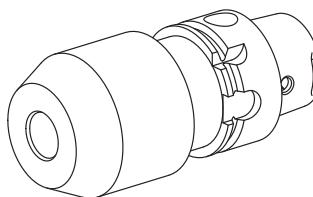
10868864 Drilling tool holder

Form A
Mounting D10 (0.39 ")
Cooling internal, p_{\max} 80 bar
X / Z 60 (2.36) / – mm (")



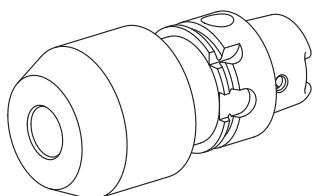
10248706 Drilling tool holder

Form A
Mounting D12 (0.47 ")
Cooling internal, p_{\max} 80 bar
X / Z 70 (2.76) / – mm (")



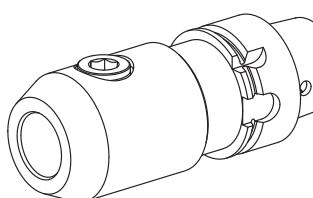
10796138 Drilling tool holder

Form A
Mounting D14 (0.55 ")
Cooling internal, p_{\max} 80 bar
X / Z 75 (2.95) / – mm (")



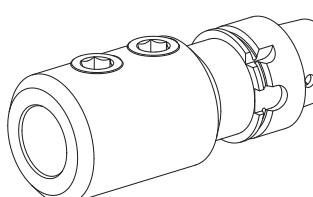
10185680 Drilling tool holder

Form A
Mounting D16 (0.63 ")
Cooling internal, p_{\max} 80 bar
X / Z 75 (2.95) / – mm (")



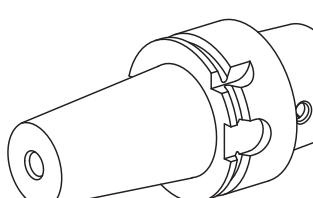
10974013 Drilling tool holder

Form A
Mounting D20 (0.79 ")
Cooling internal, p_{\max} 80 bar
X / Z 85 (3.35) / – mm (")



10290424 Drilling tool holder

Form A
Mounting D25 (0.98 ")
Cooling internal, p_{\max} 80 bar
X / Z 100 (3.94) / – mm (")

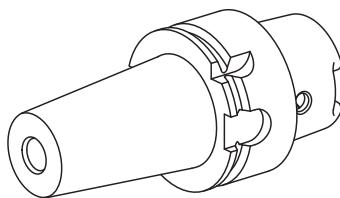


10834428 Drilling tool holder, with shrink-fit mounting

Form A
Mounting Shrink-fit mounting D6
Cooling internal, p_{\max} 80 bar
X / Z 65 (2.56) / – mm (")

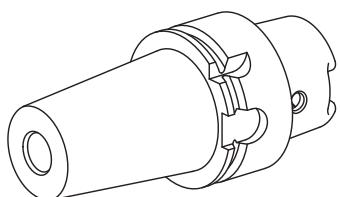
Tool holder Shank HSK40

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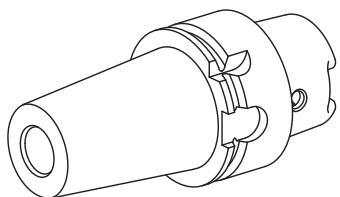
10192421 Drilling tool holder, with shrink-fit mounting

| | |
|-----------------|----------------------------|
| Form | A |
| Mounting | Shrink-fit mounting D8 |
| Cooling | internal, p_{max} 80 bar |
| X / Z | 65 (2.56) / – mm (") |



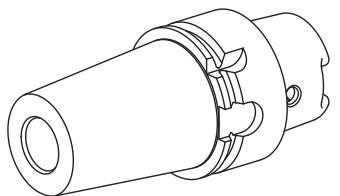
10768062 Drilling tool holder, with shrink-fit mounting

| | |
|-----------------|----------------------------|
| Form | A |
| Mounting | Shrink-fit mounting D10 |
| Cooling | internal, p_{max} 80 bar |
| X / Z | 65 (2.56) / – mm (") |



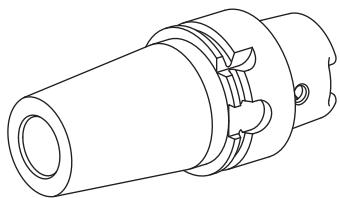
10077946 Drilling tool holder, with shrink-fit mounting

| | |
|-----------------|----------------------------|
| Form | A |
| Mounting | Shrink-fit mounting D12 |
| Cooling | internal, p_{max} 80 bar |
| X / Z | 65 (2.56) / – mm (") |



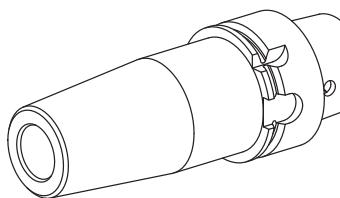
10531172 Drilling tool holder, with shrink-fit mounting

| | |
|-----------------|----------------------------|
| Form | A |
| Mounting | Shrink-fit mounting D14 |
| Cooling | internal, p_{max} 80 bar |
| X / Z | 65 (2.56) / – mm (") |



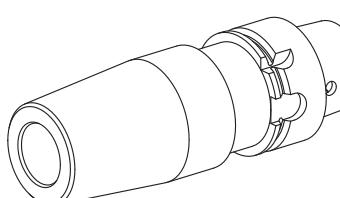
10602741 Drilling tool holder, with shrink-fit mounting

| | |
|-----------------|----------------------------|
| Form | A |
| Mounting | Shrink-fit mounting D16 |
| Cooling | internal, p_{max} 80 bar |
| X / Z | 70 (2.76) / – mm (") |



10399748 Drilling tool holder, with shrink-fit mounting

| | |
|-----------------|----------------------------|
| Form | A |
| Mounting | Shrink-fit mounting D16 |
| Cooling | internal, p_{max} 80 bar |
| X / Z | 90 (3.54) / – mm (") |

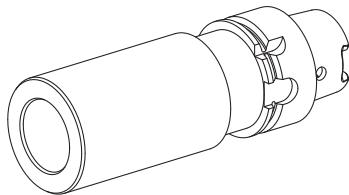


10359611 Drilling tool holder, with shrink-fit mounting

| | |
|-----------------|----------------------------|
| Form | A |
| Mounting | Shrink-fit mounting D20 |
| Cooling | internal, p_{max} 80 bar |
| X / Z | 100 (3.94) / – mm (") |

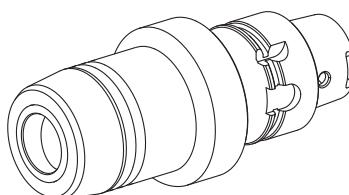
Tool holder Shank HSK40

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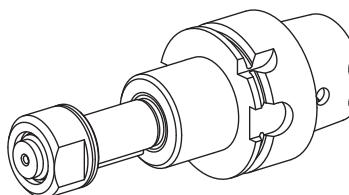
10516610 Drilling tool holder, with shrink-fit mounting

| | |
|-----------------|-----------------------------|
| Form | A |
| Mounting | Shrink-fit mounting D25 |
| Cooling | internal, p_{\max} 80 bar |
| X / Z | 100 (3.94) / – mm (") |



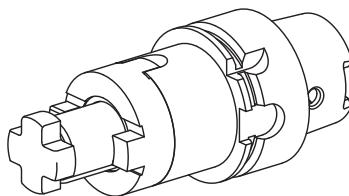
11019398 Drilling tool holder

| | |
|-----------------|-------------------------------|
| Form | A |
| Mounting | Hydraulic expansion chuck D20 |
| Cooling | internal, p_{\max} 80 bar |
| X / Z | 100 (3.94) / – mm (") |



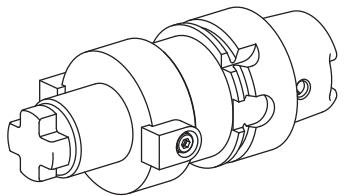
12022764 Milling cutter holder

| | |
|-----------------|----------------------------|
| Form | A |
| Mounting | Milling shaft D13 (0.51 ") |
| Cooling | – |
| X / Z | 40 (1.57) / – mm (") |



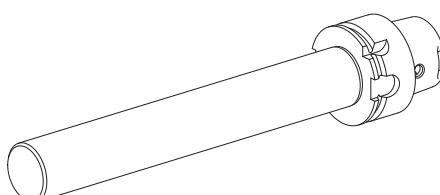
10384684 Milling cutter holder

| | |
|-----------------|----------------------------|
| Form | A |
| Mounting | Milling shaft D16 (0.63 ") |
| Cooling | – |
| X / Z | 50 (1.97) / – mm (") |



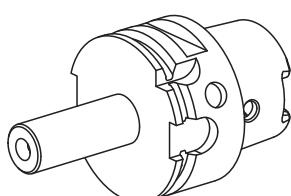
10942818 Milling cutter holder

| | |
|-----------------|-----------------------------|
| Form | A |
| Mounting | Milling shaft D22 (0.87 ") |
| Cooling | internal, p_{\max} 80 bar |
| X / Z | 50 (1.97) / – mm (") |



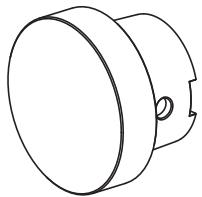
10466122 Calibrating tool

| | |
|-----------------|-----------------------|
| Form | A |
| Mounting | D24 (0.94 ") |
| Cooling | – |
| X / Z | 180 (7.09) / – mm (") |



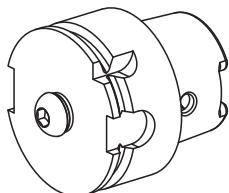
10846890 Blanking plug

| | |
|-----------------|----------------------|
| Form | A |
| Mounting | D12 (0.47 ") |
| Cooling | – |
| X / Z | 50 (1.97) / – mm (") |



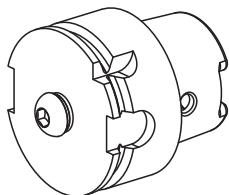
11064030 Blanking plug

| | |
|-----------------|----------------------|
| Form | A |
| Mounting | — |
| Cooling | — |
| X / Z | 10 (0.39) / – mm (") |



10476772 Blanking plug

| | |
|-----------------|----------------------|
| Form | A |
| Mounting | — |
| Cooling | — |
| X / Z | 20 (0.79) / – mm (") |



10944718 Setting tool holder, for measuring the clamping stroke

| | |
|-----------------|----------------------|
| Form | A |
| Mounting | — |
| Cooling | — |
| X / Z | 20 (0.79) / – mm (") |

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DINW025EN - 20087533 06.21 Printed in Germany Subject to change without prior notice

**INDEX-Werke GmbH & Co. KG
Hahn & Tessky**

Plochinger Straße 92
D-73730 Esslingen

Fon +49 711 3191-0
Fax +49 711 3191-587

info@index-werke.de
www.index-werke.de