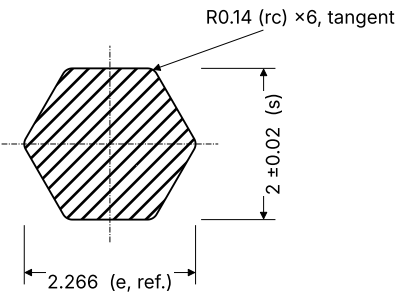
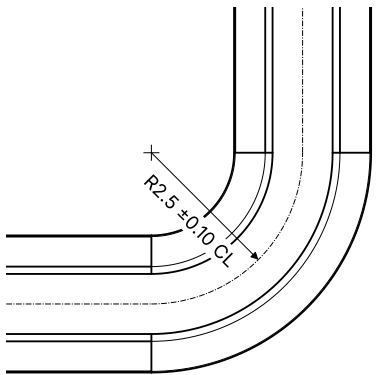


SECTION A-A scale 10:1



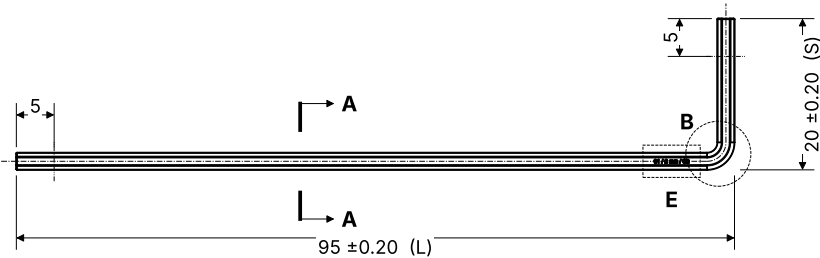
Shank $s \ 2 \pm 0.02$; working ends $s \ 2 \pm 0.01$ (detail C); $e \ 2.266 \geq \text{ISO 2936 } e \text{ min } 2.18$
Flats parallel to the plane of the L

DETAIL B — BEND scale 8:1

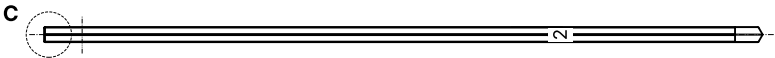


Centreline $R = 1.25 \cdot s = 2.5$; inner face R1.367, outer face R3.633 (ref.)
Bend angle $90^\circ \pm 0.25^\circ$ between arm axes; tangent arc; profile constant

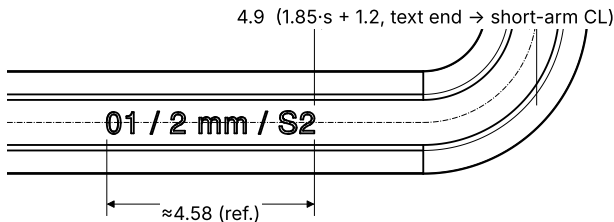
TOP VIEW scale 1:1



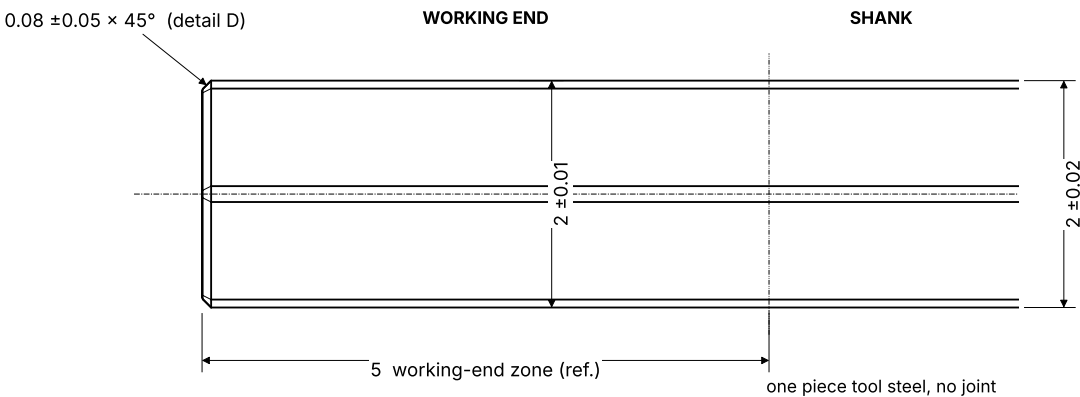
SIDE VIEW (front) scale 1:1



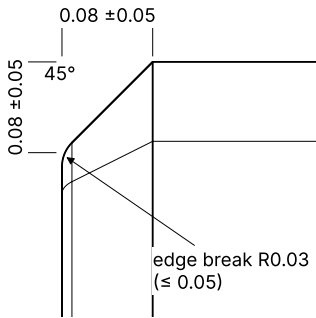
DETAIL E — LASER MARK scale 6:1 (centred on top flat, CL of text = arm CL)



DETAIL C — TIP / WORKING END scale 15:1



DETAIL D scale 150:1



NOTES

- Dimensions in mm. Overall L, S measured tip to outer face of opposite arm (widest in-plane extent). L, S ± 0.20 .
- Profile: regular hexagon, all 6 longitudinal edges R0.14 (0.07 · s) tangent; constant along path incl. bend.
- Across flats: shank 2 ± 0.02 ; working ends (first 5 from each tip) 2 ± 0.01 .
- Straightness of each arm 0.05 per 100. Bend $90^\circ \pm 0.25^\circ$, centreline radius ± 0.10 .
- Both tips: flat end face $\perp$ axis, $0.08 \pm 0.05 \times 45^\circ$ chamfer (uniform offset of profile), edge break R0.03 (≤ 0.05).
- Mark "01 / 2 mm / S2" on top flat of long arm, centred, reads tip → bend; Helvetica Neue Regular em 0.66 mm, tracking +4 %; laser frost/anneal, depth ≈ 0.015 mm. Must not reach hex corners.
- One piece S2 tool steel, through-hardened and tempered to 56–60 HRC (to meet ISO 2936). Dark neutral satin, bare metal. No sharp edges.

W01 PRECISION HEX SYSTEM

KEY 01

Wrench_02 — L-key, hex 2 mm

s 2 L 95 S 20

Material: S2 tool steel, 56–60 HRC through-hardened, one piece (7.85 g/cm³)

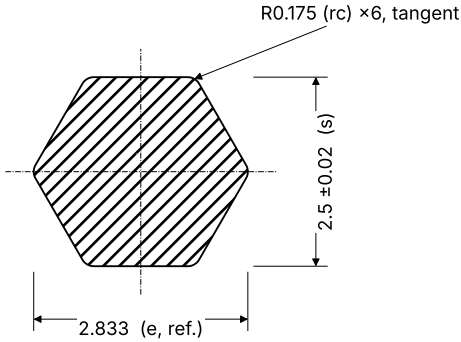
Units mm Sheet A3

Mass: 3.03 g

Third-angle projection

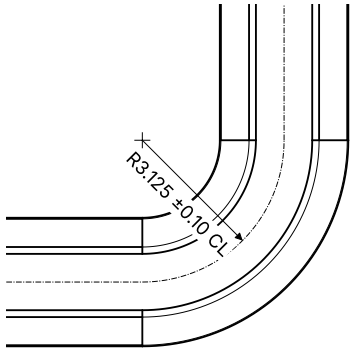


SECTION A-A scale 10:1



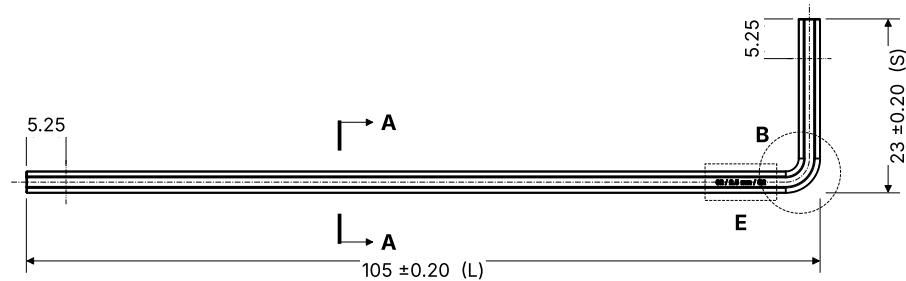
Shank $s \leq 2.5 \pm 0.02$; working ends $s \leq 2.5 \pm 0.01$ (detail C); $e \ 2.833 \geq \text{ISO 2936 } e \text{ min } 2.75$
Flats parallel to the plane of the L

DETAIL B — BEND scale 6:1



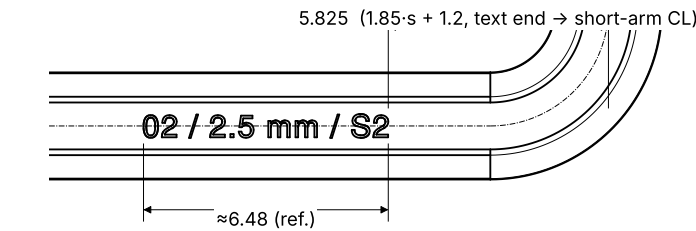
Centreline $R = 1.25 \cdot s = 3.125$; inner face R1.709, outer face R4.541 (ref.)
Bend angle $90^\circ \pm 0.25^\circ$ between arm axes; tangent arc; profile constant

TOP VIEW scale 1:1

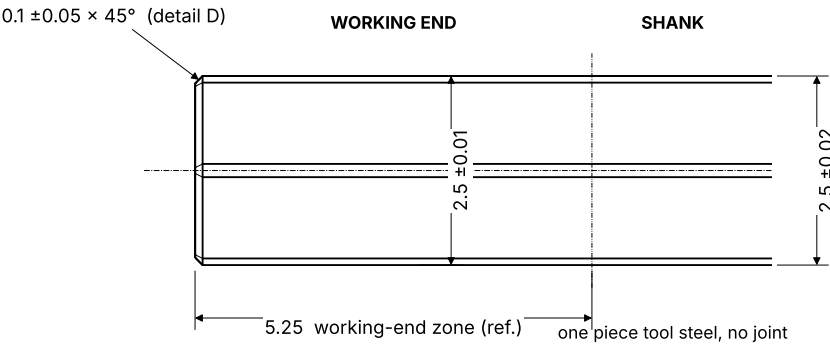


SIDE VIEW (front) scale 1:1

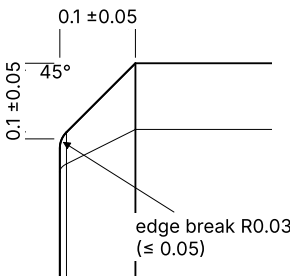
DETAIL E — LASER MARK scale 5:1 (centred on top flat, CL of text = arm CL)



DETAIL C — TIP / WORKING END scale 10:1



DETAIL D scale 100:1



NOTES

- Dimensions in mm. Overall L, S measured tip to outer face of opposite arm (widest in-plane extent). L, S ± 0.20 .
- Profile: regular hexagon, all 6 longitudinal edges R0.175 (0.07 · s) tangent; constant along path incl. bend.
- Across flats: shank 2.5 ± 0.02 ; working ends (first 5.25 from each tip) 2.5 ± 0.01 .
- Straightness of each arm 0.05 per 100. Bend $90^\circ \pm 0.25^\circ$, centreline radius ± 0.10 .
- Both tips: flat end face $\perp$ axis, $0.1 \pm 0.05 \times 45^\circ$ chamfer (uniform offset of profile), edge break R0.03 (≤ 0.05).
- Mark "02 / 2.5 mm / S2" on top flat of long arm, centred, reads tip → bend; Helvetica Neue Regular em 0.825 mm, tracking +4 %; laser frost/anneal, depth ≈ 0.015 mm. Must not reach hex corners.
- One piece S2 tool steel, through-hardened and tempered to 56–60 HRC (to meet ISO 2936). Dark neutral satin, bare metal. No sharp edges.

W01 PRECISION HEX SYSTEM

KEY 02

Wrench_025 — L-key, hex 2.5 mm

s 2.5 L 105 S 23

Material: S2 tool steel, 56–60 HRC through-hardened, one piece (7.85 g/cm³)

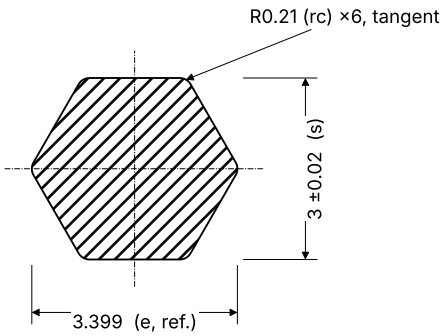
Units mm Sheet A3

Mass: 5.25 g

Third-angle projection

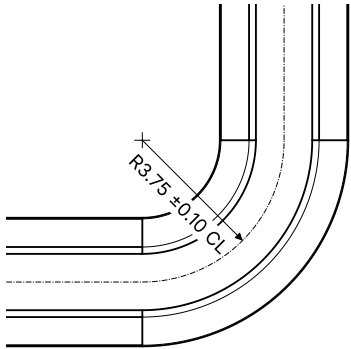


SECTION A-A scale 8:1



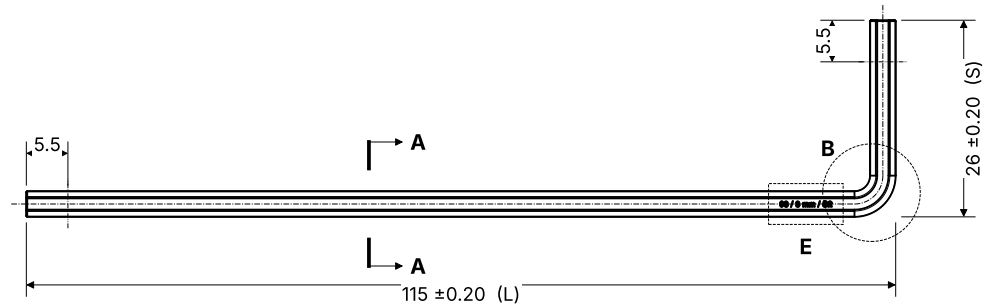
Shank $s \pm 0.02$; working ends $s \pm 0.01$ (detail C); $e \pm 0.01$ (detail C); $e \pm 0.01 \geq \text{ISO 2936 } e \text{ min } 3.31$
Flats parallel to the plane of the L

DETAIL B — BEND scale 5:1



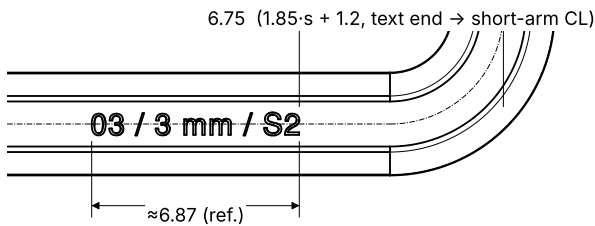
Centreline $R = 1.25 \cdot s = 3.75$; inner face R2.05, outer face R5.45 (ref.)
Bend angle $90^\circ \pm 0.25^\circ$ between arm axes; tangent arc; profile constant

TOP VIEW scale 1:1

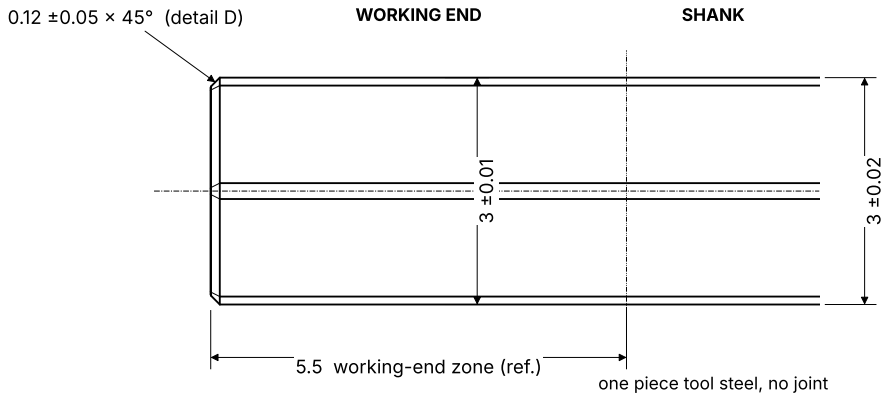


SIDE VIEW (front) scale 1:1

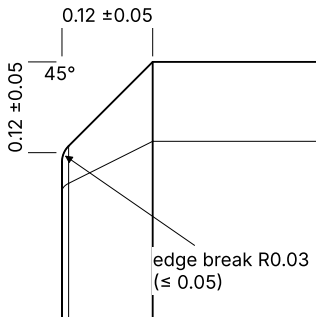
DETAIL E — LASER MARK scale 4:1 (centred on top flat, CL of text = arm CL)



DETAIL C — TIP / WORKING END scale 10:1



DETAIL D scale 100:1



NOTES

- Dimensions in mm. Overall L, S measured tip to outer face of opposite arm (widest in-plane extent). L, S ± 0.20 .
- Profile: regular hexagon, all 6 longitudinal edges R0.21 (0.07·s) tangent; constant along path incl. bend.
- Across flats: shank 3 ± 0.02 ; working ends (first 5.5 from each tip) 3 ± 0.01 .
- Straightness of each arm 0.05 per 100. Bend $90^\circ \pm 0.25^\circ$, centreline radius ± 0.10 .
- Both tips: flat end face $\perp$ axis, $0.12 \pm 0.05 \times 45^\circ$ chamfer (uniform offset of profile), edge break R0.03 (≤ 0.05).
- Mark "03 / 3 mm / S2" on top flat of long arm, centred, reads tip → bend; Helvetica Neue Regular em 0.99 mm, tracking +4 %; laser frost/anneal, depth ≈ 0.015 mm. Must not reach hex corners.
- One piece S2 tool steel, through-hardened and tempered to 56–60 HRC (to meet ISO 2936). Dark neutral satin, bare metal. No sharp edges.

W01 PRECISION HEX SYSTEM

KEY 03

Wrench_03 — L-key, hex 3 mm

s 3 L 115 S 26

Material: S2 tool steel, 56–60 HRC through-hardened, one piece (7.85 g/cm³)

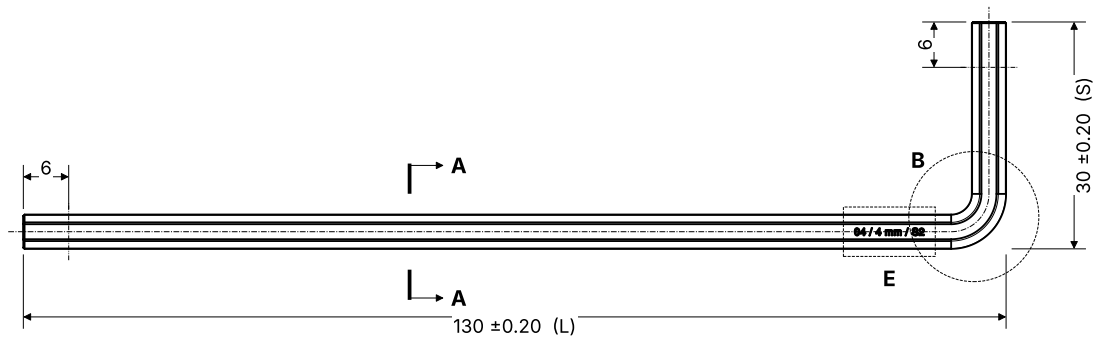
Units mm Sheet A3

Mass: 8.30 g

Third-angle projection

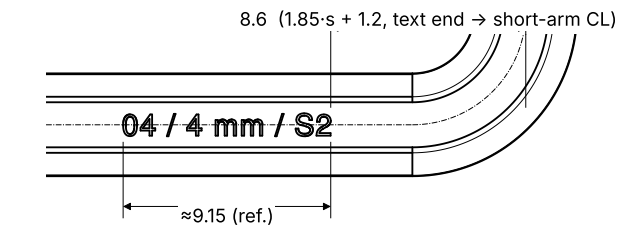


TOP VIEW scale 1:1

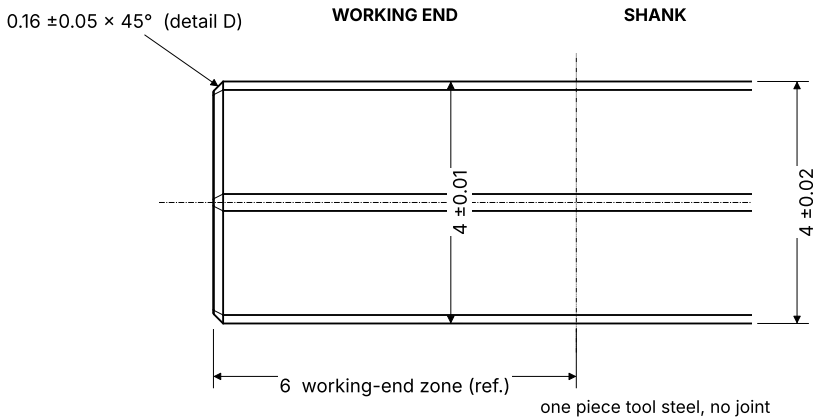


SIDE VIEW (front) scale 1:1

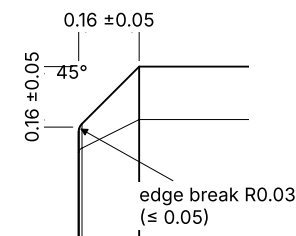
DETAIL E — LASER MARK scale 3:1 (centred on top flat, CL of text = arm CL)



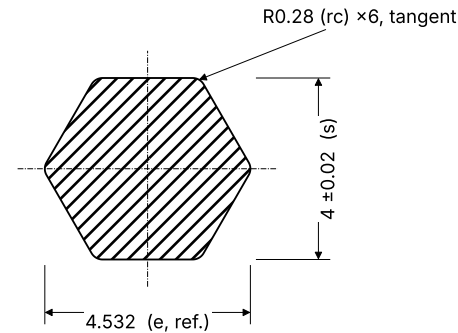
DETAIL C — TIP / WORKING END scale 8:1



DETAIL D scale 50:1

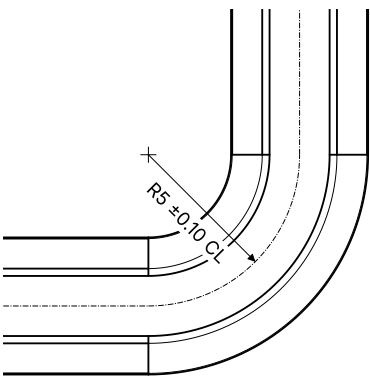


SECTION A-A scale 6:1



Shank $s \ 4 \pm 0.02$; working ends $s \ 4 \pm 0.01$ (detail C); $e \ 4.532 \geq \text{ISO 2936 } e \text{ min } 4.44$
Flats parallel to the plane of the L

DETAIL B — BEND scale 4:1



Centreline $R = 1.25 \cdot s = 5$; inner face $R2.734$, outer face $R7.266$ (ref.)
Bend angle $90^\circ \pm 0.25^\circ$ between arm axes; tangent arc; profile constant

NOTES

- Dimensions in mm. Overall L, S measured tip to outer face of opposite arm (widest in-plane extent). L, S ± 0.20 .
- Profile: regular hexagon, all 6 longitudinal edges $R0.28 \ (0.07 \cdot s)$ tangent; constant along path incl. bend.
- Across flats: shank 4 ± 0.02 ; working ends (first 6 from each tip) 4 ± 0.01 .
- Straightness of each arm 0.05 per 100. Bend $90^\circ \pm 0.25^\circ$, centreline radius ± 0.10 .
- Both tips: flat end face $\perp$ axis, $0.16 \pm 0.05 \times 45^\circ$ chamfer (uniform offset of profile), edge break $R0.03 \ (\leq 0.05)$.
- Mark "04 / 4 mm / S2" on top flat of long arm, centred, reads tip → bend; Helvetica Neue Regular em 1.32 mm, tracking +4 %; laser frost/anneal, depth ≈ 0.015 mm. Must not reach hex corners.
- One piece S2 tool steel, through-hardened and tempered to 56–60 HRC (to meet ISO 2936). Dark neutral satin, bare metal. No sharp edges.

W01 PRECISION HEX SYSTEM

KEY 04

Wrench_04 — L-key, hex 4 mm

s 4 L 130 S 30

Material: S2 tool steel, 56–60 HRC through-hardened, one piece (7.85 g/cm³)

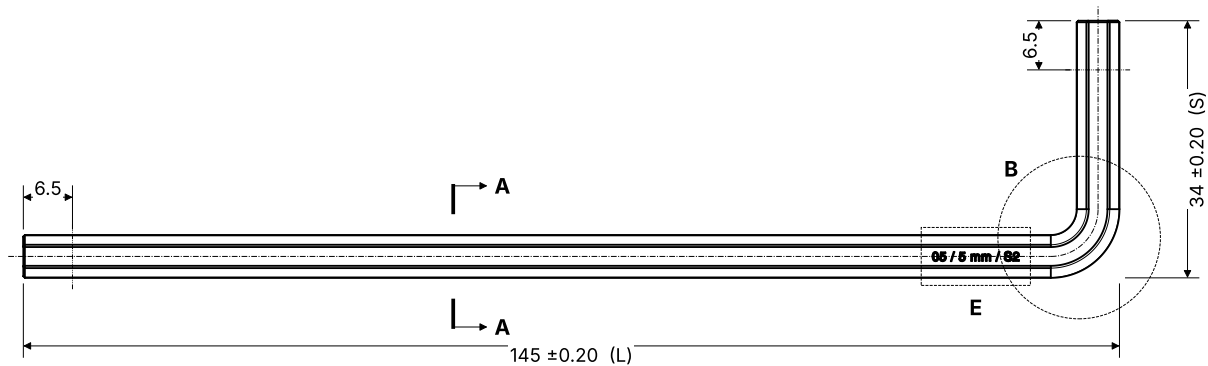
Units mm Sheet A3

Mass: 16.64 g

Third-angle projection

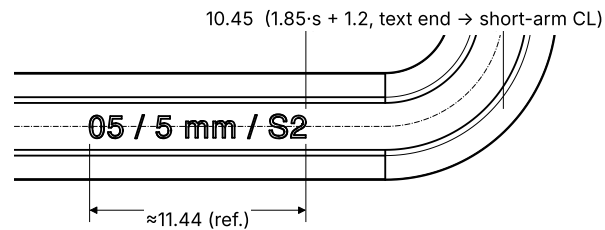


TOP VIEW scale 1:1

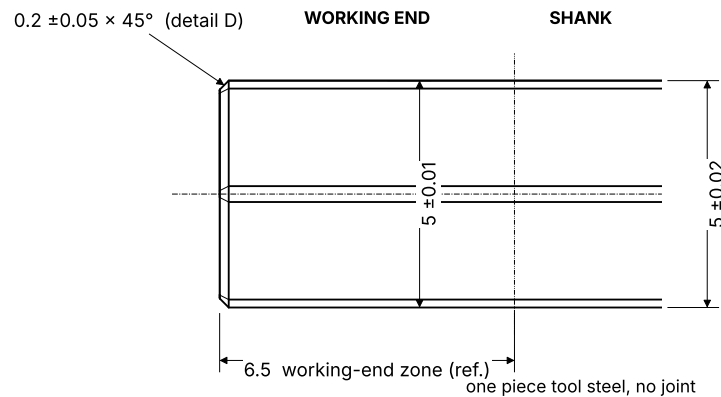


SIDE VIEW (front) scale 1:1

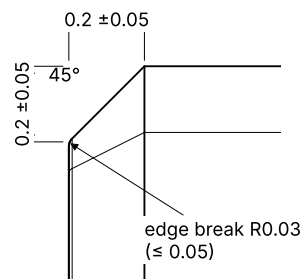
DETAIL E — LASER MARK scale 2.5:1 (centred on top flat, CL of text = arm CL)



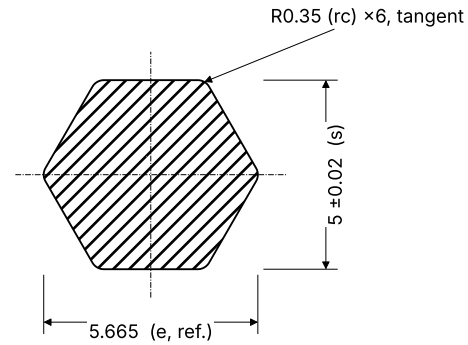
DETAIL C — TIP / WORKING END scale 6:1



DETAIL D scale 50:1

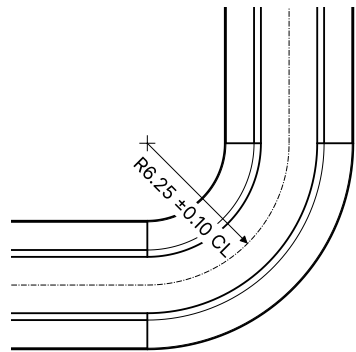


SECTION A-A scale 5:1



Shank $s \pm 0.02$; working ends $s \pm 0.01$ (detail C); $e \geq 5.665 \geq \text{ISO 2936 } e \text{ min } 5.58$
Flats parallel to the plane of the L

DETAIL B — BEND scale 3:1



Centreline $R = 1.25 \cdot s = 6.25$; inner face R3.417, outer face R9.083 (ref.)
Bend angle $90^\circ \pm 0.25^\circ$ between arm axes; tangent arc; profile constant

NOTES

- Dimensions in mm. Overall L, S measured tip to outer face of opposite arm (widest in-plane extent). L, S ± 0.20 .
- Profile: regular hexagon, all 6 longitudinal edges R0.35 (0.07·s) tangent; constant along path incl. bend.
- Across flats: shank 5 ± 0.02 ; working ends (first 6.5 from each tip) 5 ± 0.01 .
- Straightness of each arm 0.05 per 100. Bend $90^\circ \pm 0.25^\circ$, centreline radius ± 0.10 .
- Both tips: flat end face $\perp$ axis, $0.2 \pm 0.05 \times 45^\circ$ chamfer (uniform offset of profile), edge break R0.03 (≤ 0.05).
- Mark "05 / 5 mm / S2" on top flat of long arm, centred, reads tip $\rightarrow$ bend; Helvetica Neue Regular em 1.65 mm, tracking +4 %; laser frost/anneal, depth ≈ 0.015 mm. Must not reach hex corners.
- One piece S2 tool steel, through-hardened and tempered to 56–60 HRC (to meet ISO 2936). Dark neutral satin, bare metal. No sharp edges.

W01 PRECISION HEX SYSTEM

KEY 05

Wrench_05 — L-key, hex 5 mm

s 5 L 145 S 34

Material: S2 tool steel, 56–60 HRC through-hardened, one piece (7.85 g/cm³)

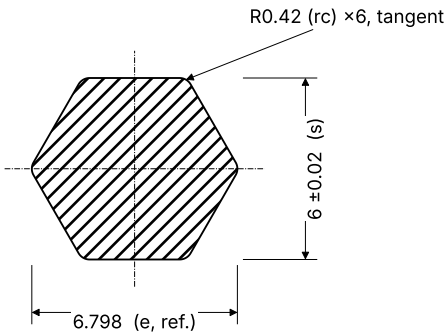
Units mm Sheet A3

Mass: 28.95 g

Third-angle projection

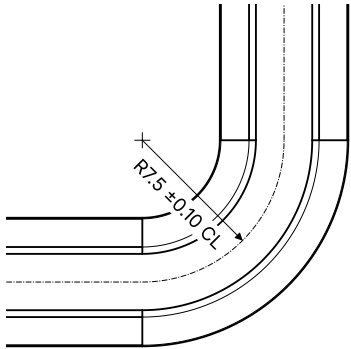


SECTION A-A scale 4:1



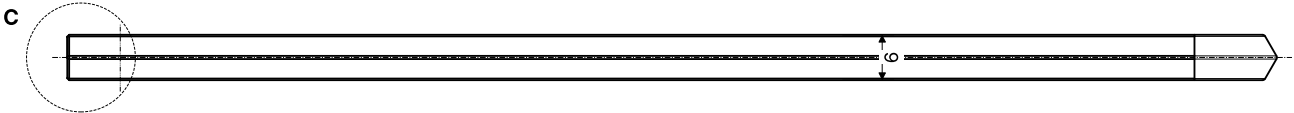
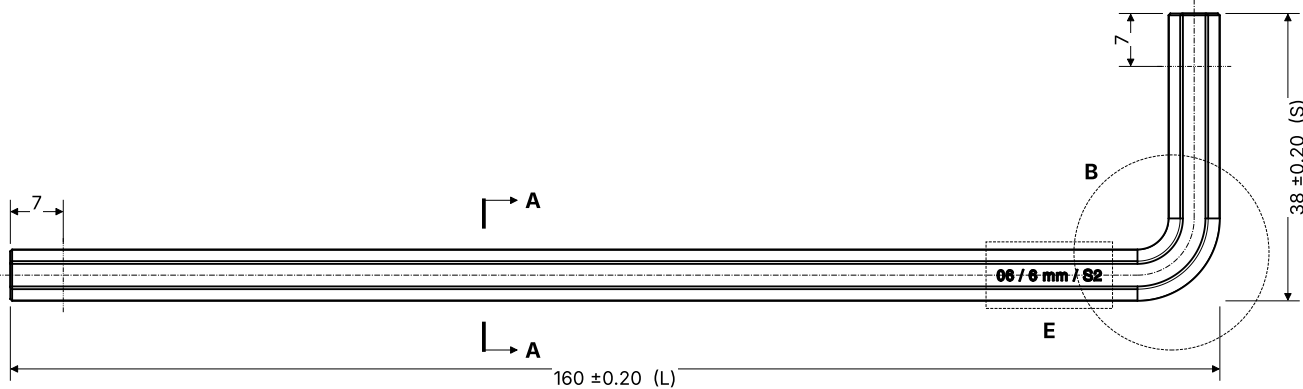
Shank $s \ 6 \pm 0.02$; working ends $s \ 6 \pm 0.01$ (detail C); $e \ 6.798 \geq \text{ISO 2936 } e \text{ min } 6.71$
Flats parallel to the plane of the L

DETAIL B — BEND scale 2.5:1



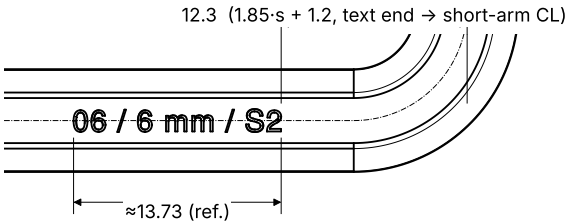
Centreline $R = 1.25 \cdot s = 7.5$; inner face $R4.101$, outer face $R10.899$ (ref.)
Bend angle $90^\circ \pm 0.25^\circ$ between arm axes; tangent arc; profile constant

TOP VIEW scale 1:1

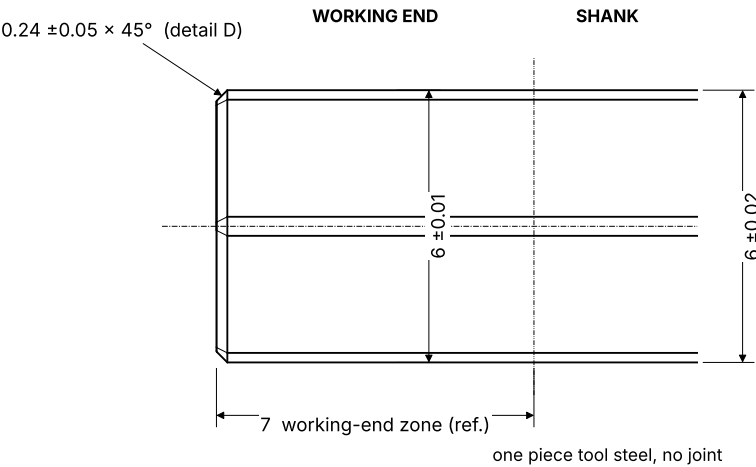


SIDE VIEW (front) scale 1:1

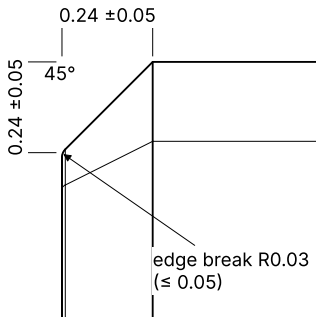
DETAIL E — LASER MARK scale 2:1 (centred on top flat, CL of text = arm CL)



DETAIL C — TIP / WORKING END scale 6:1



DETAIL D scale 50:1



NOTES

- Dimensions in mm. Overall L, S measured tip to outer face of opposite arm (widest in-plane extent). L, S ± 0.20 .
- Profile: regular hexagon, all 6 longitudinal edges $R0.42 \ (0.07 \cdot s)$ tangent; constant along path incl. bend.
- Across flats: shank 6 ± 0.02 ; working ends (first 7 from each tip) 6 ± 0.01 .
- Straightness of each arm 0.05 per 100. Bend $90^\circ \pm 0.25^\circ$, centreline radius ± 0.10 .
- Both tips: flat end face $\perp$ axis, $0.24 \pm 0.05 \times 45^\circ$ chamfer (uniform offset of profile), edge break $R0.03 \ (\leq 0.05)$.
- Mark "06 / 6 mm / S2" on top flat of long arm, centred, reads tip $\rightarrow$ bend; Helvetica Neue Regular em 1.98 mm, tracking +4 %; laser frost/anneal, depth ≈ 0.015 mm. Must not reach hex corners.
- One piece S2 tool steel, through-hardened and tempered to 56–60 HRC (to meet ISO 2936). Dark neutral satin, bare metal. No sharp edges.

W01 PRECISION HEX SYSTEM

KEY 06

Wrench_06 — L-key, hex 6 mm

s 6 L 160 S 38

Material: S2 tool steel, 56–60 HRC through-hardened, one piece (7.85 g/cm³)

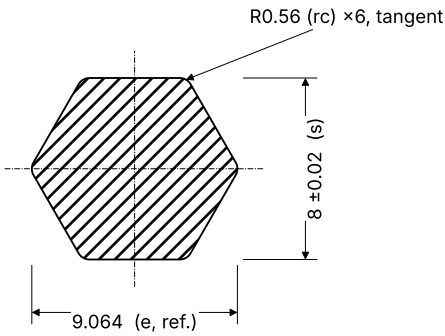
Units mm Sheet A3

Mass: 45.91 g

Third-angle projection

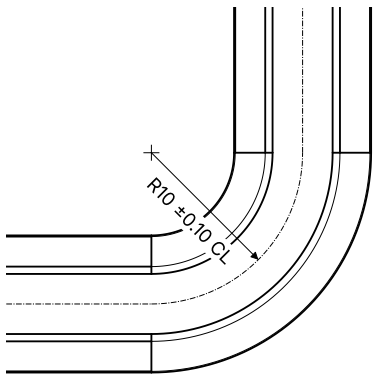


SECTION A-A scale 3:1



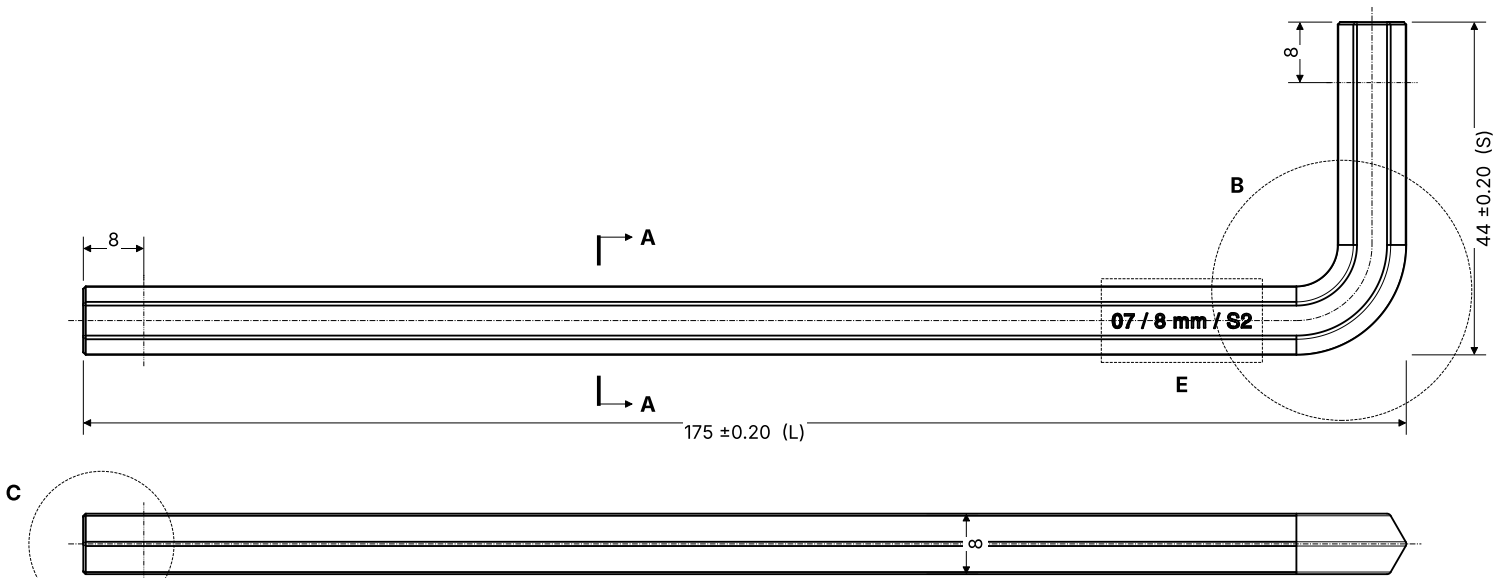
Shank $s \pm 0.02$; working ends $s \pm 0.01$ (detail C); $e \ 9.064 \geq \text{ISO 2936 } e \text{ min } 8.97$
Flats parallel to the plane of the L

DETAIL B — BEND scale 2:1



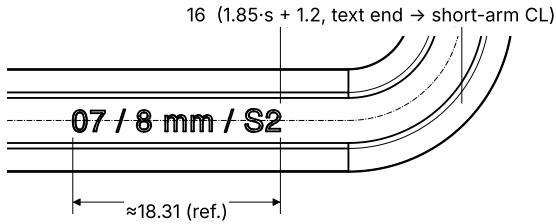
Centreline $R = 1.25 \cdot s = 10$; inner face $R5.468$, outer face $R14.532$ (ref.)
Bend angle $90^\circ \pm 0.25^\circ$ between arm axes; tangent arc; profile constant

TOP VIEW scale 1:1

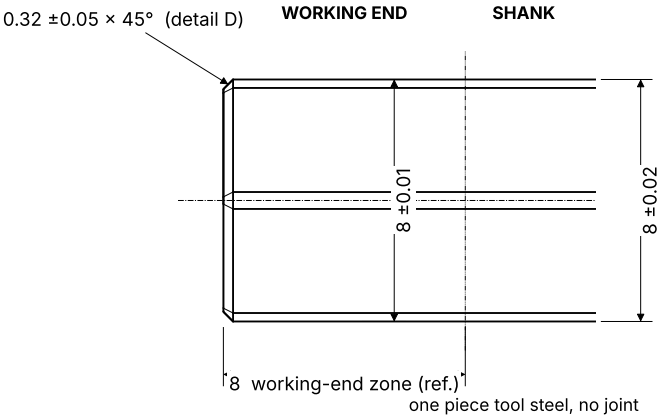


SIDE VIEW (front) scale 1:1

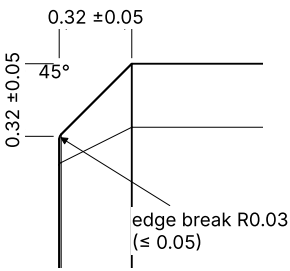
DETAIL E — LASER MARK scale 1.5:1 (centred on top flat, CL of text = arm CL)



DETAIL C — TIP / WORKING END scale 4:1



DETAIL D scale 30:1



NOTES

- Dimensions in mm. Overall L, S measured tip to outer face of opposite arm (widest in-plane extent). L, S ± 0.20 .
- Profile: regular hexagon, all 6 longitudinal edges $R0.56$ ($0.07 \cdot s$) tangent; constant along path incl. bend.
- Across flats: shank 8 ± 0.02 ; working ends (first 8 from each tip) 8 ± 0.01 .
- Straightness of each arm 0.05 per 100. Bend $90^\circ \pm 0.25^\circ$, centreline radius ± 0.10 .
- Both tips: flat end face $\perp$ axis, $0.32 \pm 0.05 \times 45^\circ$ chamfer (uniform offset of profile), edge break $R0.03$ (≤ 0.05).
- Mark "07 / 8 mm / S2" on top flat of long arm, centred, reads tip → bend; Helvetica Neue Regular em 2.64 mm, tracking +4 %; laser frost/anneal, depth ≈ 0.015 mm. Must not reach hex corners.
- One piece S2 tool steel, through-hardened and tempered to 56–60 HRC (to meet ISO 2936). Dark neutral satin, bare metal. No sharp edges.

W01 PRECISION HEX SYSTEM

KEY 07

Wrench_08 — L-key, hex 8 mm

s 8 L 175 S 44

Material: S2 tool steel, 56–60 HRC through-hardened, one piece (7.85 g/cm³)

Units mm Sheet A3

Mass: 89.29 g

Third-angle projection

