FULCHEE

FULCHEE
QUIK TechPack

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CONTENTS

for Road Disc

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for MTB

Coming Soon

FULCHEE

Type 1
Customization

M4 Screw
0.8−1Nm

M5 Screw
1.5−2Nm
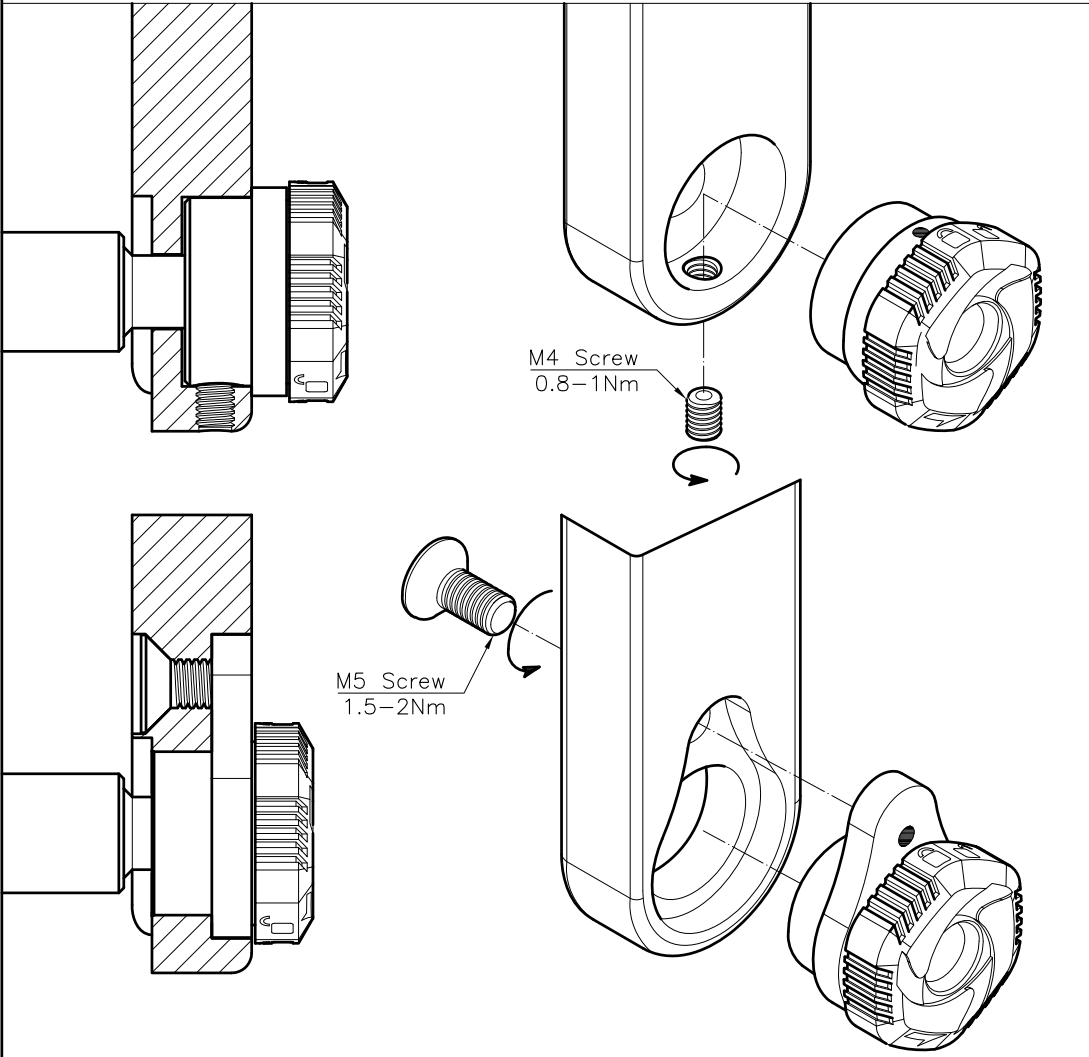
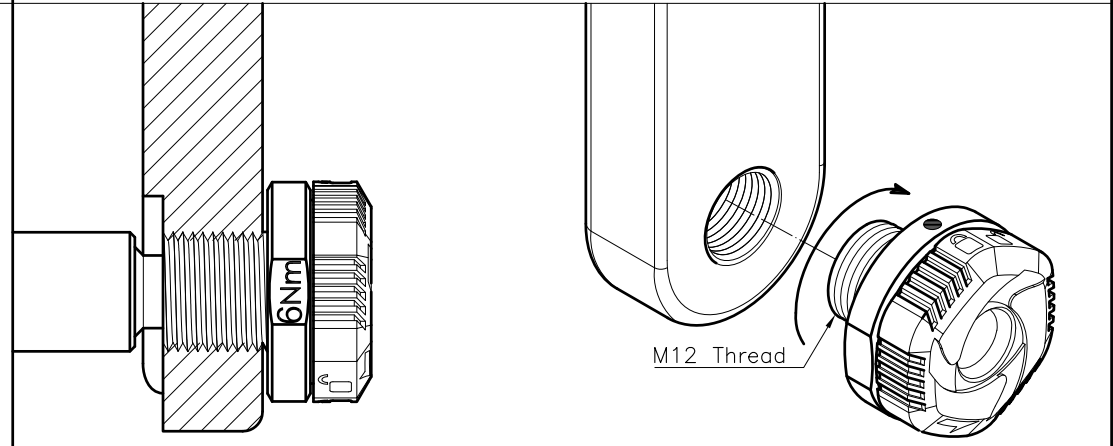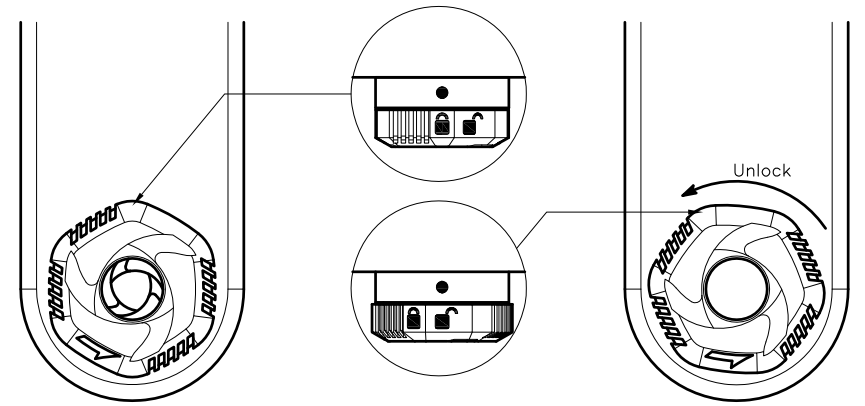Please contact sales for any types of customization request.

Type 2
Standard

6Nm

M12 Thread

Type 2 standard does not require any fork and frame dropout modification.

When ● is align with 🔒, the QUIK knob is locked;
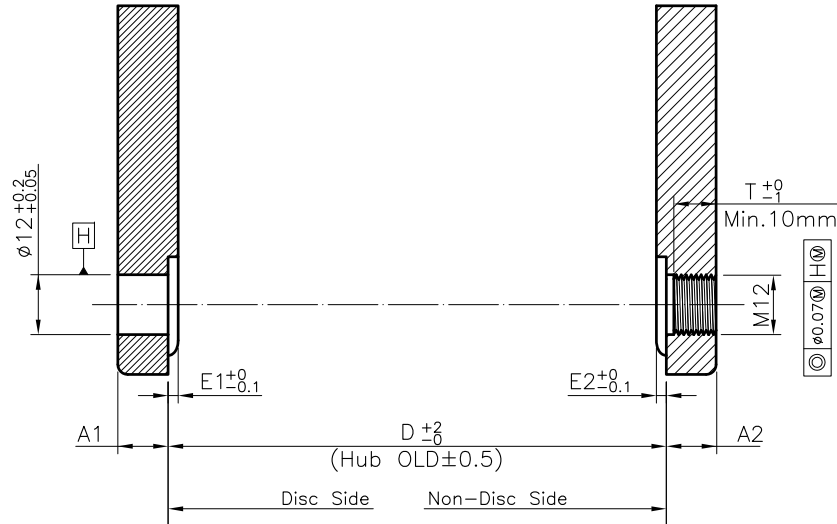When ● is align with 🔓, the QUIK knob is unlocked.

Unlock

The knob is auto-reset to locked position at all time;
Twist the knob counter-clockwise to set it unlocked.

Type 2

TYPE 2 DROPOUT SYSTEM

TYPE 2 DROPOUT DESIGN

$\varnothing 12 \,{}^{+0.2}_{+0.05}$

$T \,{}^{+0}_{-1}$
Min.10mm

M12

$E1 \,{}^{+0}_{-0.1}$

$E2 \,{}^{+0}_{-0.1}$

A1

$D \,{}^{+2}_{-0}$
(Hub OLD±0.5)

A2

Disc Side

Non−Disc Side

min.ø20

Facing Hub

min.ø19.2

Facing Hub

Important Note:

* Maximum tolerance of A+B = 0.5mm. $\boxed{\text{Tolerance of A+B} = \,{}^{+0.5}_{-0}}$

* Provide the minimum dimensions of A and D; the maximum dimension of T.

* Choose the corresponding thread pitch: M12xP1.0/ M12xP1.5/ M12xP1.75/ M12x2 P1.0/ UDH.

* Try to fill below table to match a QUIK specification:

Facing Hub

min.ø19.2

Facing Hub

min.ø20

NO	Type	A1	A2	D	T	Thread Pitch	E1	E2
1	2							
2	2							
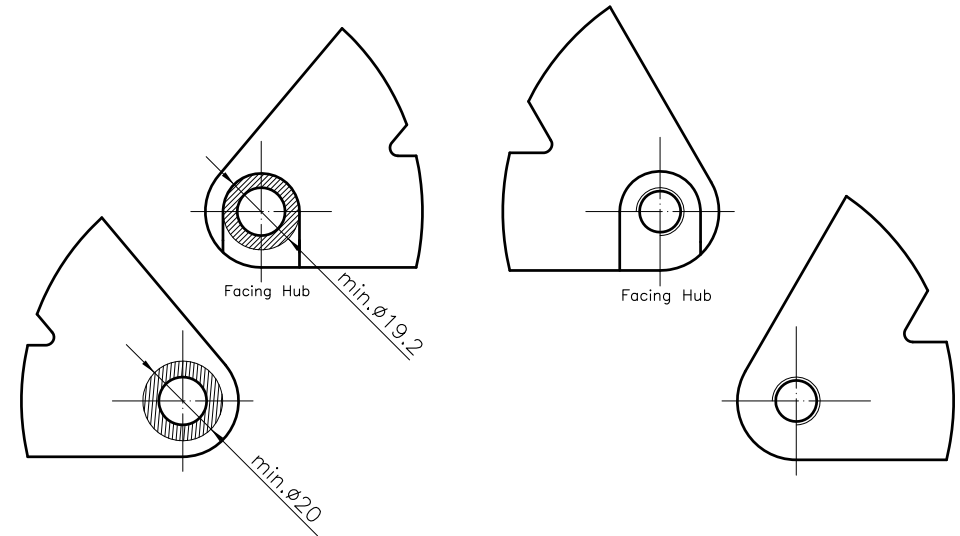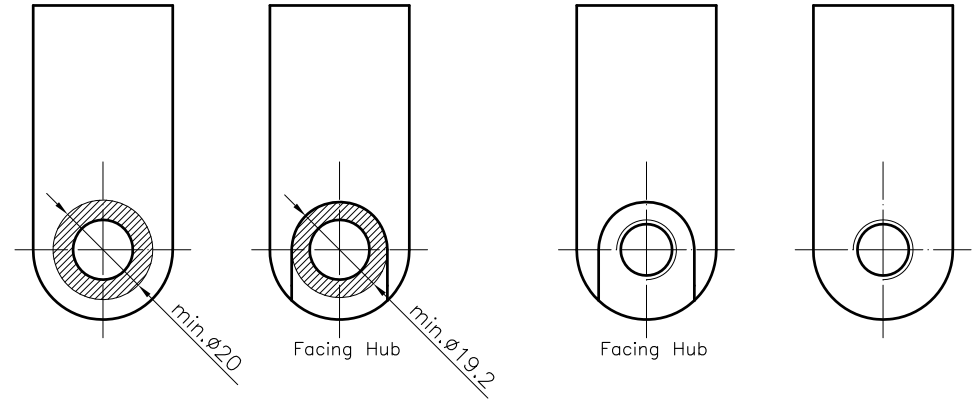
Axle

TYPE 2 QUIK AXLE

QUIK Specification
B: Original Axle Length
T: Max. Thread Length Allowed

$\varnothing 12$

B-1mm

QUIK

T

$\varnothing 19$

B

5~10
Adjustable

OPEN
123456789
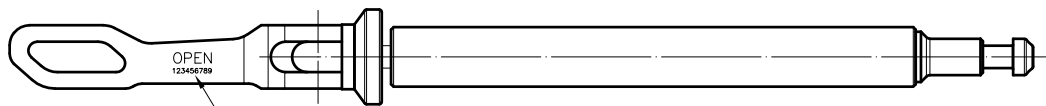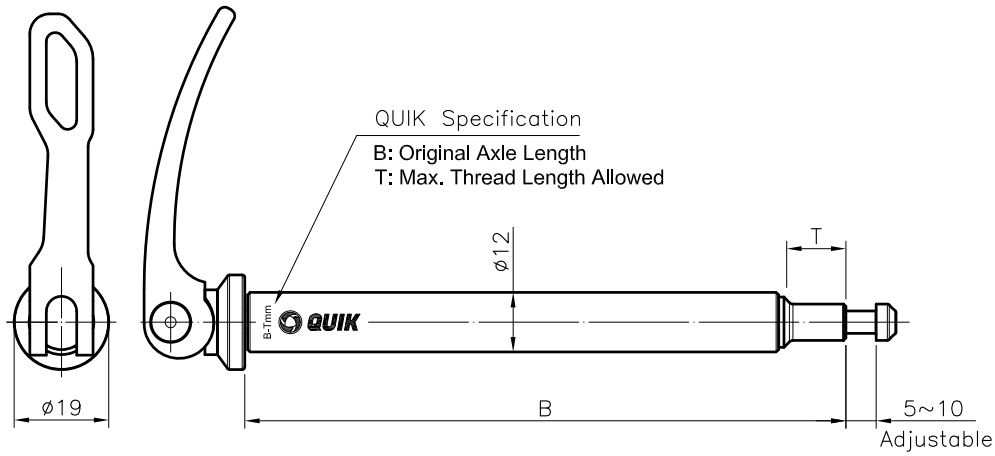
QUIK Traceability Code

Knob

TYPE 2 QUIK KNOB
Tighten the knob to 6Nm with a 21mm Hex Socket on to the dropout.

9.5

4.3

6Nm

Part No: QKNOBBK001 (P1.0)
Part No: QKNOBBK002 (P1.5)
Part No: QKNOBBK003 (P1.75)
Part No: QKNOBBK004 (M12x2 P1.0)

Tighten the UDH knob to 25Nm with a 8mm Hex on to the dropout.

Part No: QKNOBBK005 (UDH)

25Nm

Plus

*This is an example of fork and frame dropouts, please consider all dimensions and tolerances in bike design.
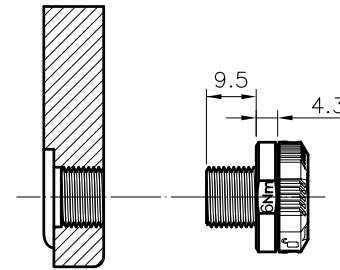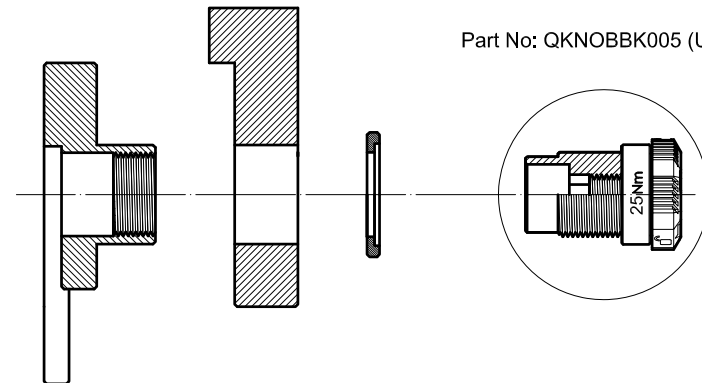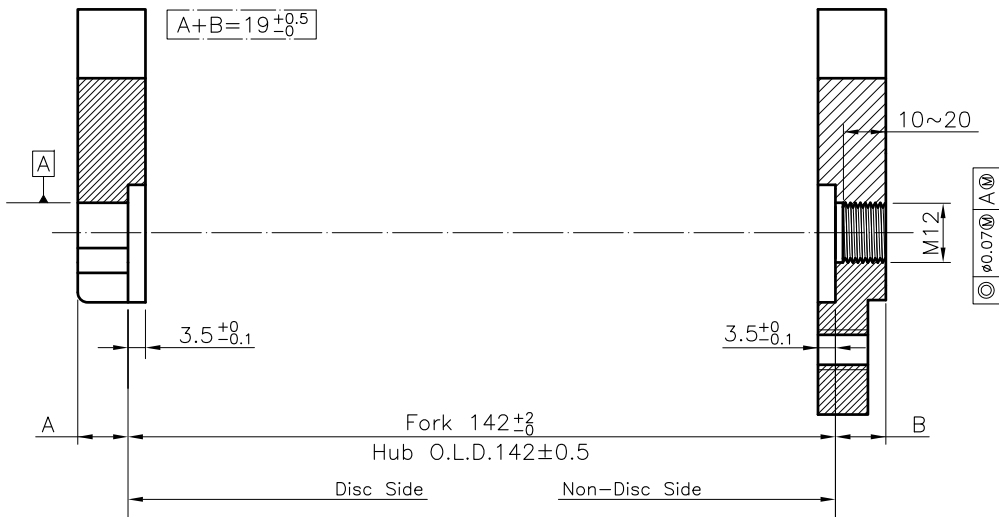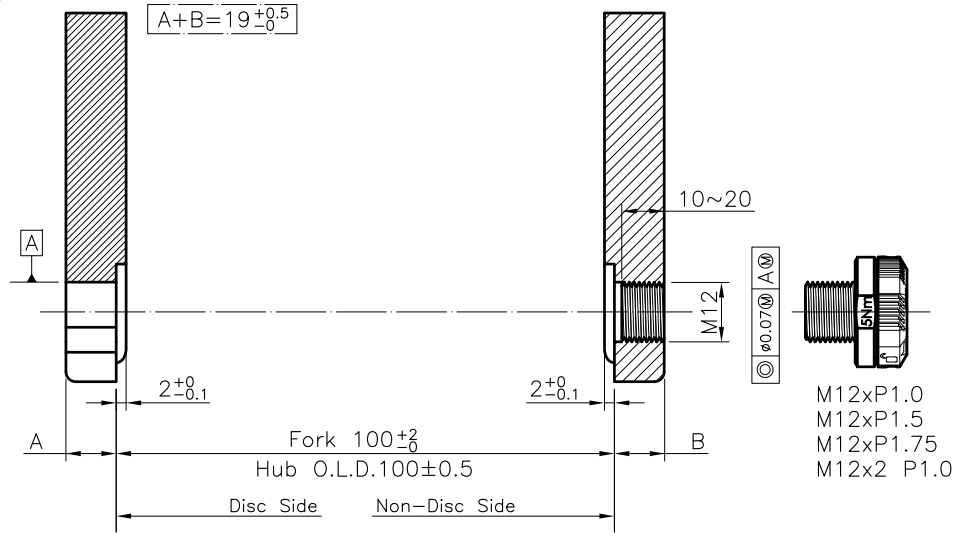
QUIK+ DROPOUT SYSTEM

$A+B=19^{+0.5}_{-0}$

A

10~20

M12

$\circledcirc \ \phi 0.07 \ \text{M} \ \text{A} \ \text{M}$

5Nm

$2^{+0}_{-0.1}$

$2^{+0}_{-0.1}$

A

Fork 100^{+2}_{-0}

Hub O.L.D.100±0.5

B

Disc Side

Non-Disc Side

M12xP1.0
M12xP1.5
M12xP1.75
M12x2 P1.0

$A+B=19^{+0.5}_{-0}$

A

10~20

M12

$\circledcirc \ \phi 0.07 \ \text{M} \ \text{A} \ \text{M}$

$3.5^{+0}_{-0.1}$

$3.5^{+0}_{-0.1}$

A

Fork 142^{+2}_{-0}

Hub O.L.D.142±0.5

B

Disc Side

Non-Disc Side

QUIK+ AXLE AND DROPOUT DESIGN

25

12

$\phi 10$

$\phi 12$

B-11.9mm

QUIK+

$\phi 19$

FORK AXLE: 119mm

FRAME AXLE: 165mm

5~10
Adjustable

5

10.3±0.07

40°

min.ϕ20

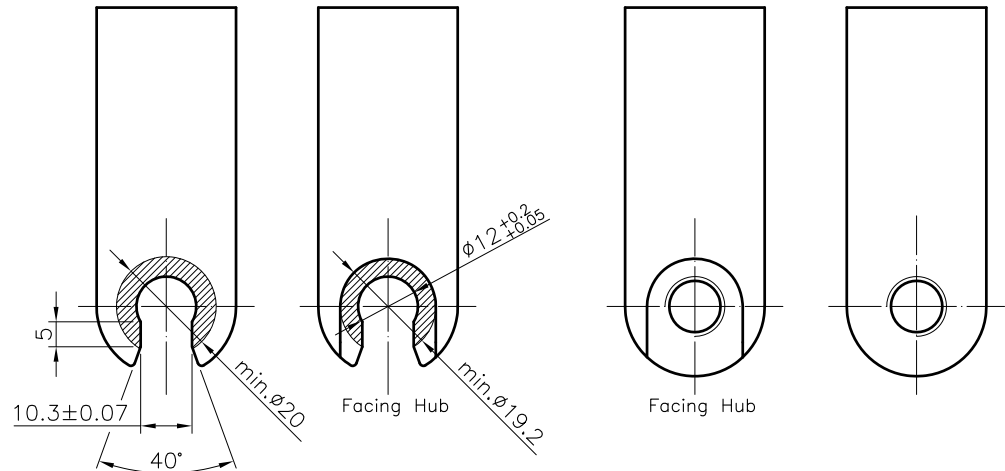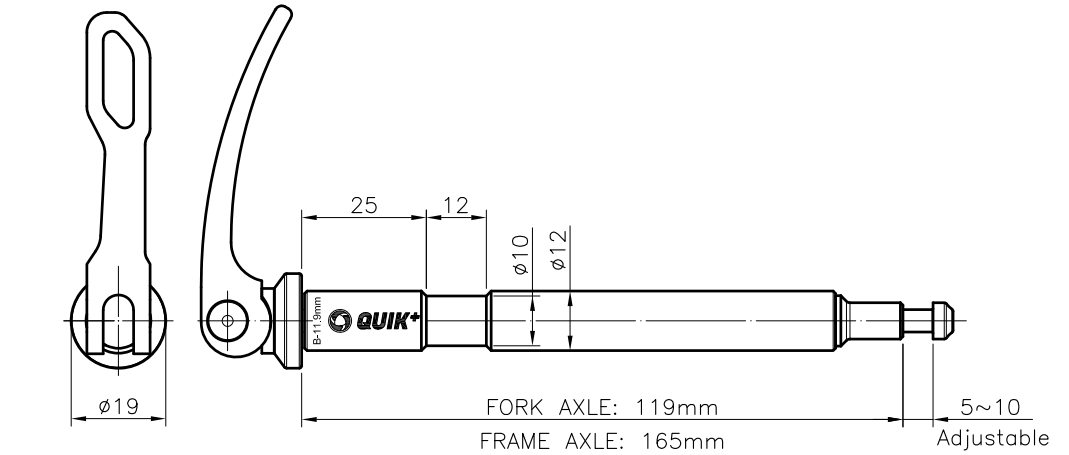$\phi 12^{+0.2}_{+0.05}$

Facing Hub

min.ϕ19.2

Facing Hub

Type 1-1

*This is an example of fork and frame dropouts, please consider all dimensions and tolerances in bike design.

TYPE 1-1 FORK DROPOUT SYSTEM

$A+B=20^{+0.5}_{-0}$

$\varnothing 12^{+0.2}_{+0.05}$

$9^{+0}_{-0.1}$

8.9

$19^{+0.1}_{-0}$

$\varnothing 0.07 \text{(M)} A \text{(M)}$

$2^{+0}_{-0.1}$

$2^{+0}_{-0.1}$

M4xP0.7

$\varnothing 18.9$

Fork 100$^{+2}_{-0}$

Hub O.L.D.100±0.5

3.6

Disc Side   Non-Disc Side

A   B

min.ø20   Facing Hub   min.ø19.2   Facing Hub $\varnothing 19^{+0.1}_{-0}$

TYPE 1-1 FRAME DROPOUT SYSTEM

$A+B=20^{+0.5}_{-0}$

$\varnothing 12^{+0.2}_{+0.05}$

$9^{+0}_{-0.1}$

$19^{+0.1}_{-0}$

$\varnothing 0.07 \text{(M)} A \text{(M)}$

M4xP0.7

$3.5^{+0}_{-0.1}$

$3.5^{+0}_{-0.1}$

3.6

Fork 142$^{+2}_{-0}$

Hub O.L.D.142±0.5

Disc Side   Non-Disc Side

A   B

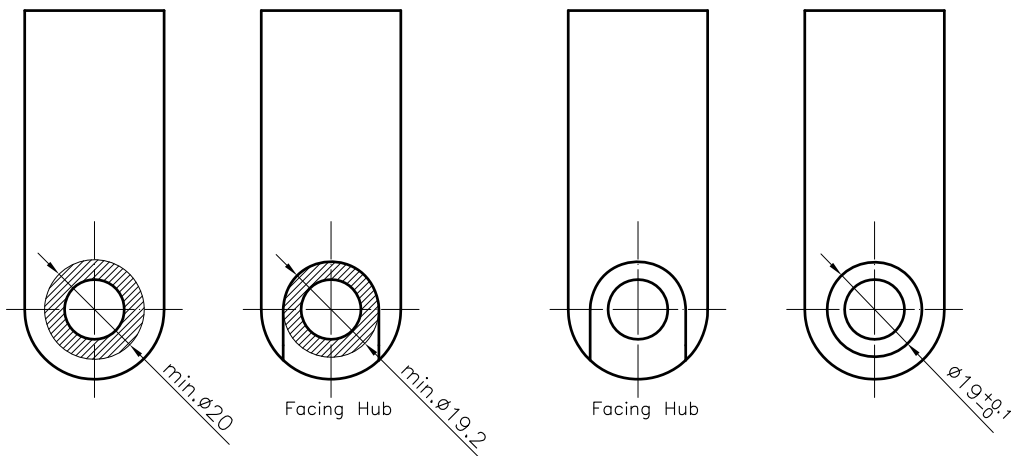Facing Hub   min.ø19.2   Facing Hub   min.ø20 $\varnothing 19^{+0.1}_{-0}$

Type 1-2
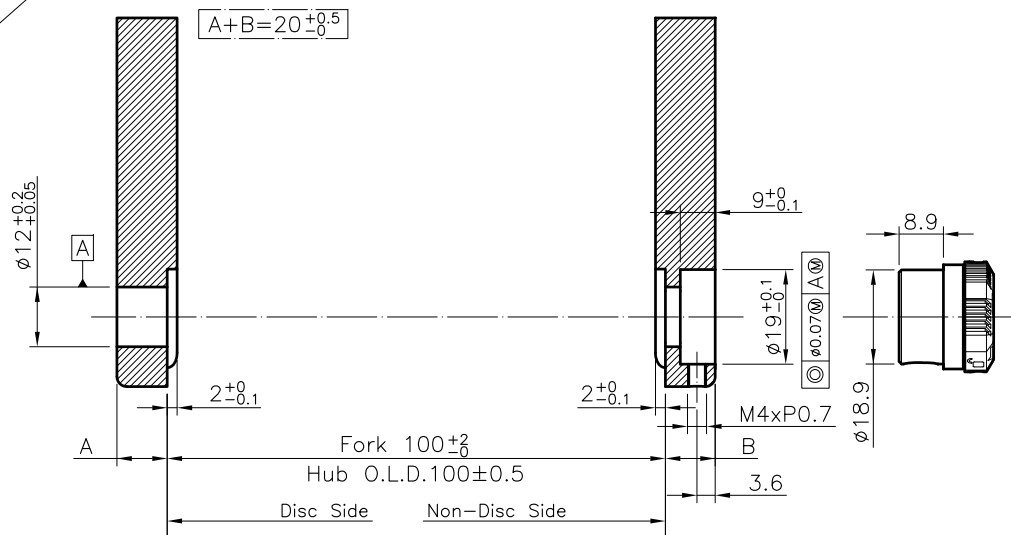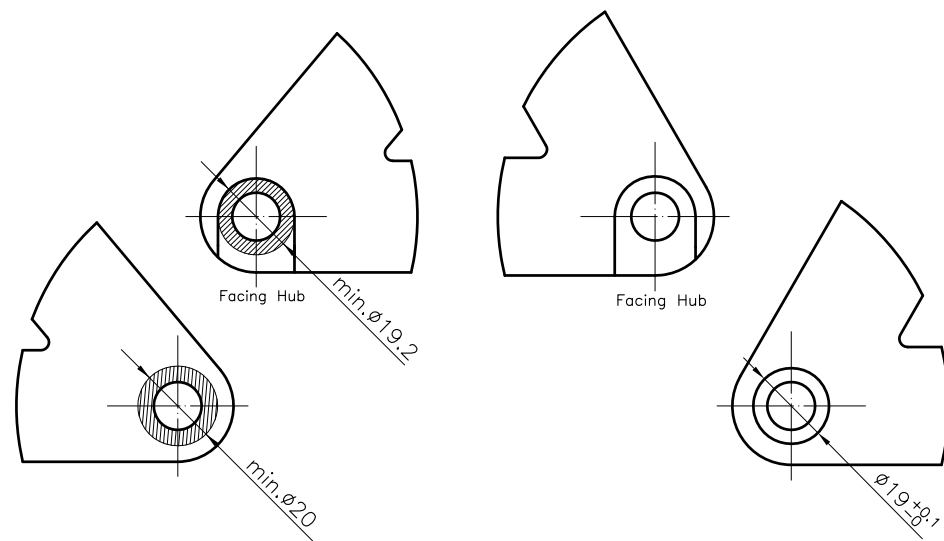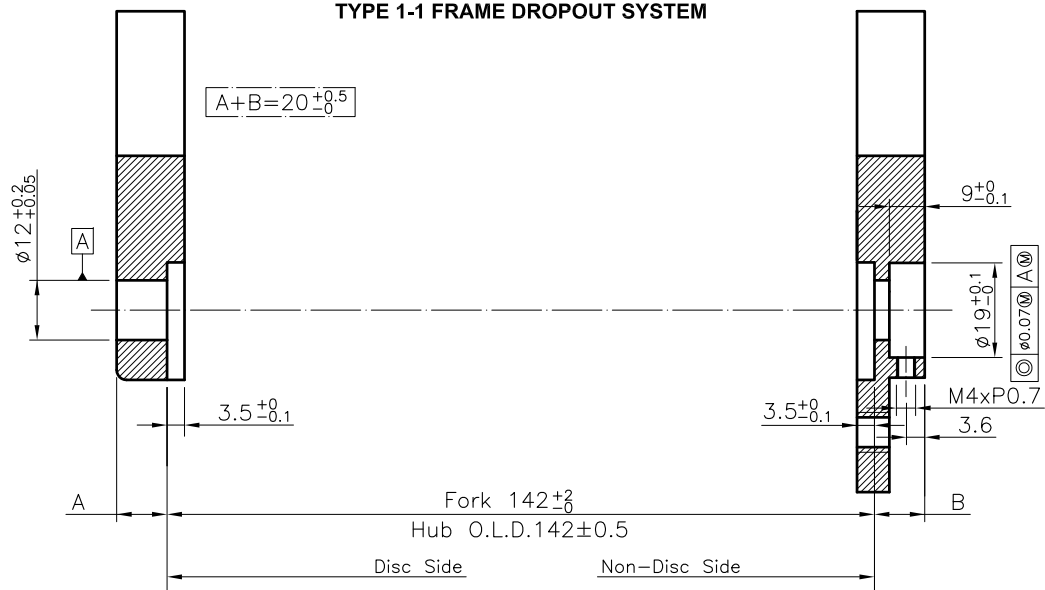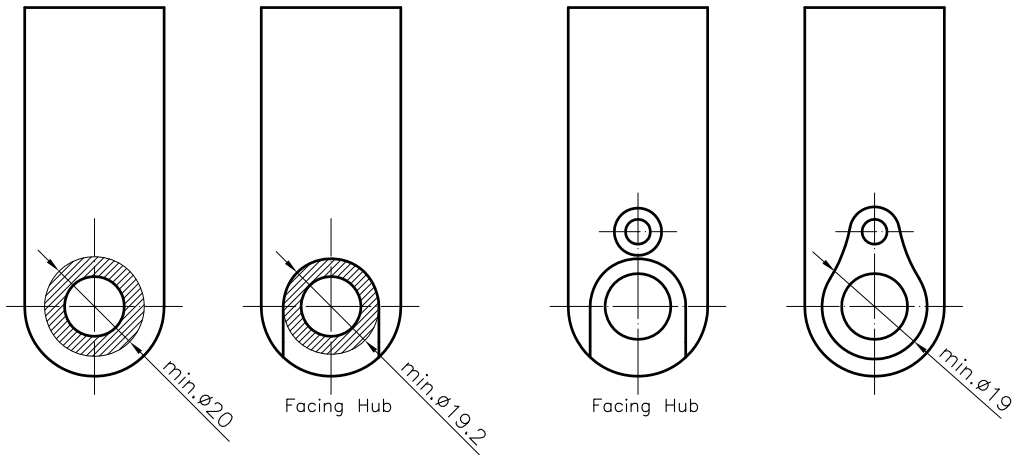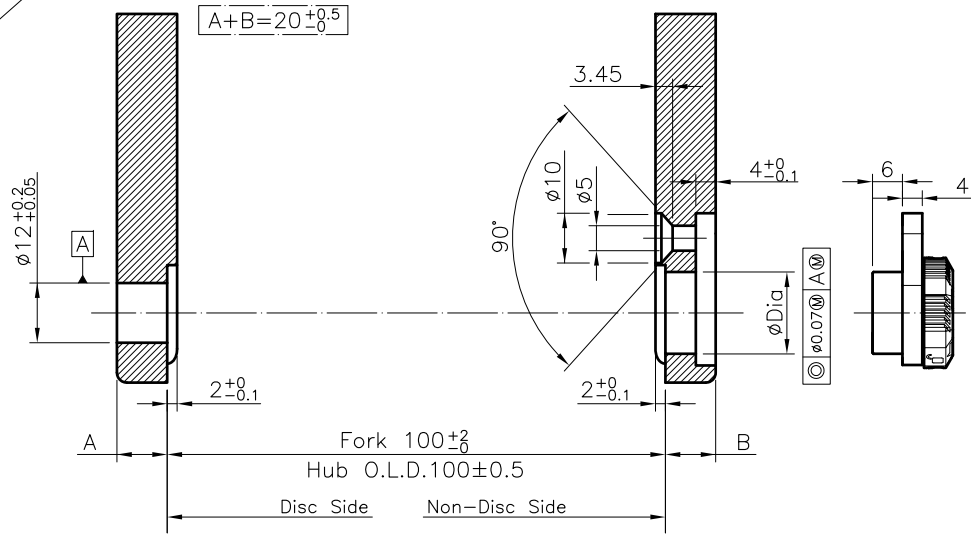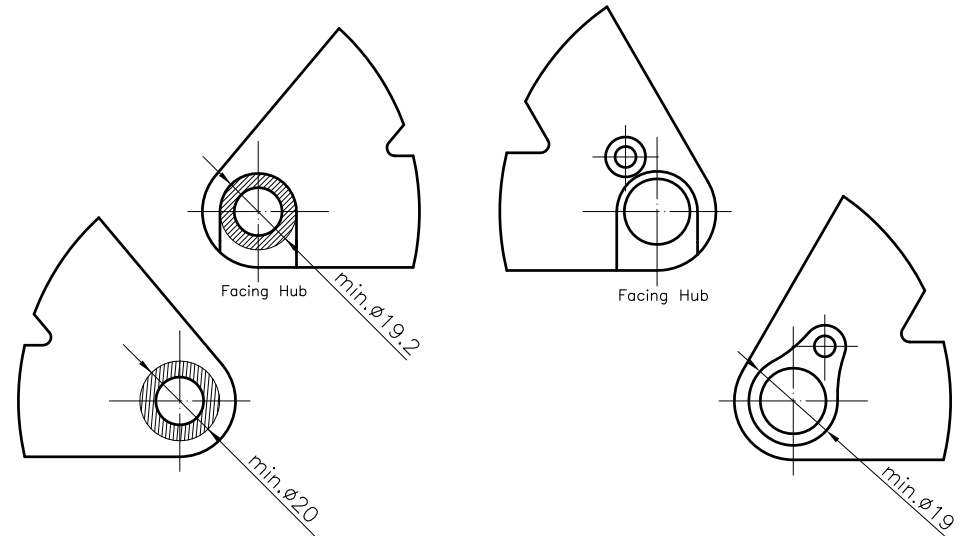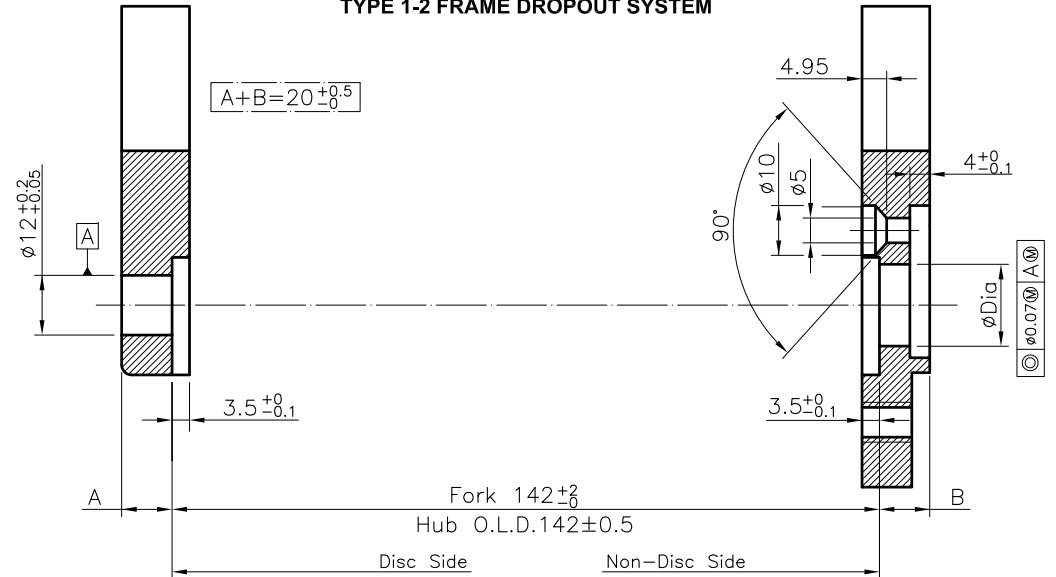
*This is an example of fork and frame dropouts, please consider all dimensions and tolerances in bike design.

TYPE 1-2 FORK DROPOUT SYSTEM

TYPE 1-2 FRAME DROPOUT SYSTEM

$A+B=20^{+0.5}_{-0}$

3.45

$\phi 10$
$\phi 5$
$4^{+0}_{-0.1}$

$90°$

6
4

ϕDia

$\phi 12^{+0.2}_{+0.05}$

A

$2^{+0}_{-0.1}$

$2^{+0}_{-0.1}$

A

B

Fork 100^{+2}_{-0}
Hub O.L.D.100±0.5

Disc Side
Non-Disc Side

min.ø20
Facing Hub
min.ø19.2
Facing Hub
min.ø19

$A+B=20^{+0.5}_{-0}$

4.95

$\phi 10$
$\phi 5$
$4^{+0}_{-0.1}$

$90°$

$\phi 12^{+0.2}_{+0.05}$

A

ϕDia

$3.5^{+0}_{-0.1}$

$3.5^{+0}_{-0.1}$

A

B

Fork 142^{+2}_{-0}
Hub O.L.D.142±0.5

Disc Side
Non-Disc Side

Facing Hub
min.ø19.2
Facing Hub
min.ø20
min.ø19

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