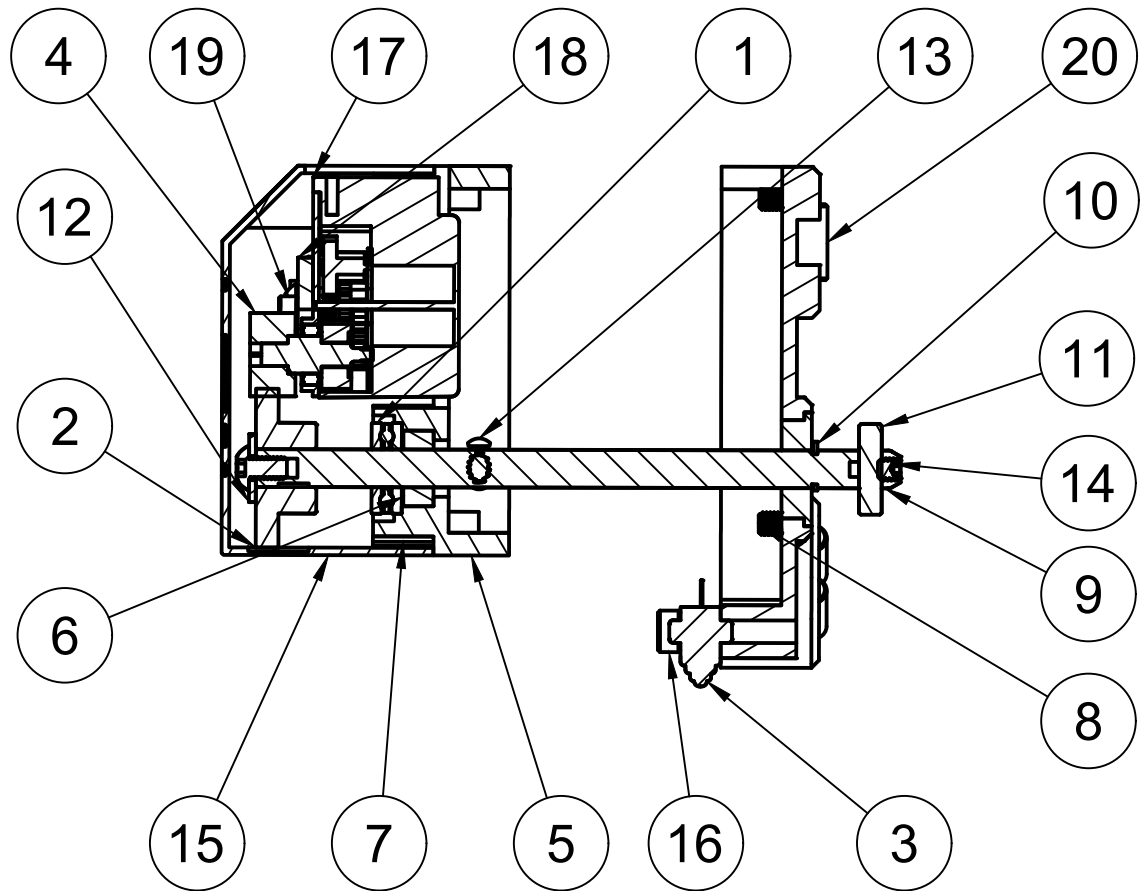
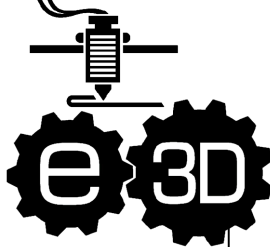


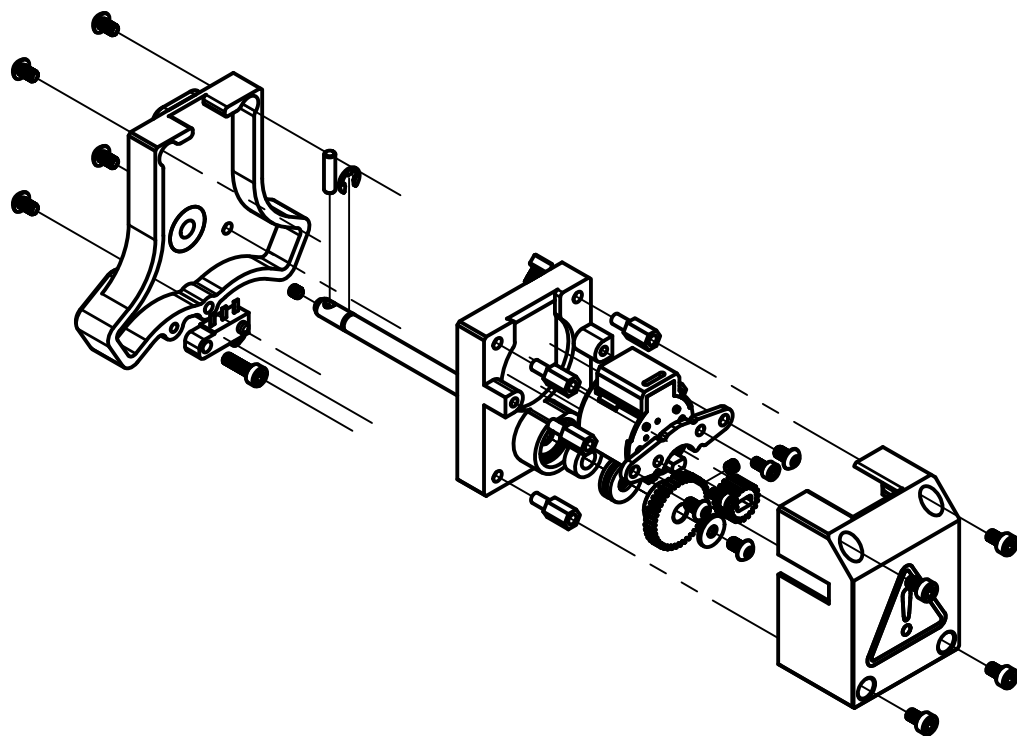
| REVISION HISTORY | | | |
|------------------|---------------|----------|----------|
| REV | DESCRIPTION | DATE | APPROVED |
| 1.0 | First Edition | 07/06/19 | ABL |



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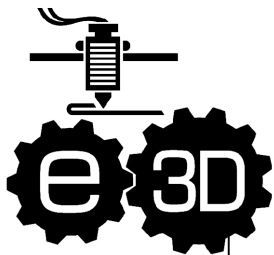
THIRD ANGLE PROJECTION
 ALL DIMENSIONS IN MM
 SCALE: 1:1
 SURFACE FINISH: UNFINISHED

| | | | | | |
|--|---|------------------------------------|------------------------------------|---------------------------|----------|
| Dept. Engineering | Technical reference Toolchanger | Created by GLH | 07/06/19 | Approved by ABL | 17/06/19 |
|  | | Document type PUBLIC | Document status RELEASED | | |
| | | Title Tool Head Assembly | DWG No. TC-COUPLER-KIT | | |
| | | Rev. 1 | Date of issue 07/06/19 | Sheet 1/4 | |

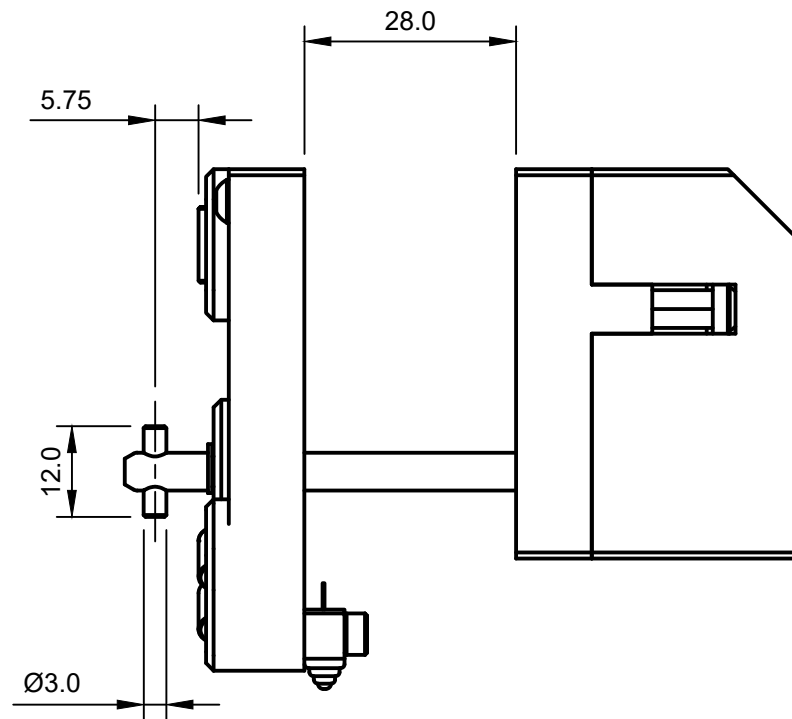


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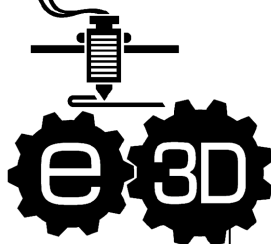
THIRD ANGLE PROJECTION
 ALL DIMENSIONS IN MM
 MATERIAL: -
 SCALE: 1:2
 SURFACE FINISH: UNFINISHED

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| | | | Rev. 1 | Date of issue 07/06/19 | | | Sheet 2/4 |

REFER TO .STP FILES FOR ADDITIONAL DIMENSIONS & GEOMETRIES.

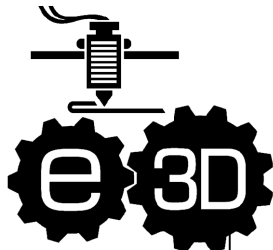


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| | | Rev. 1 | Date of issue 07/06/19 | Sheet 3/4 | |

| Parts List | | |
|------------|-----|----------------------------|
| Item | Qty | Description |
| 1 | 1 | F5-12M Thrust Bearing |
| 2 | 1 | 40T Gear MOD 0.5 |
| 3 | 1 | Endstop Switch |
| 4 | 1 | 20T Gear MOD 0.5 |
| 5 | 1 | TC-BACK |
| 6 | 1 | MR105RS Bearing |
| 7 | 1 | 8mm Standoff |
| 8 | 7 | M4 5mm Button Head Screw |
| 9 | 1 | Tool Coupler Shaft |
| 10 | 1 | E-Clip |
| 11 | 1 | 12mm x 3mm Dowel Pin |
| 12 | 1 | M3 Washer |
| 13 | 5 | M3 4mm Socket Head Screw |
| 14 | 2 | M3 3mm Grub Screw |
| 15 | 1 | Printed Cover |
| 16 | 1 | M3 10mm Socket Head Screw |
| 17 | 1 | Stepper Motor |
| 18 | 1 | Motor Bracket |
| 19 | 2 | M2.5 5mm Socket Head Screw |
| 20 | 1 | TC-FACE-AS |

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| Dept. Engineering | Technical reference Toolchanger | Created by GLH | 07/06/19 | Approved by ABL | 17/06/19 |
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| | | Title Tool Head Assembly | DWG No. TC-COUPLER-KIT | | |
| | | Rev. 1 | Date of issue 07/06/19 | Sheet 4/4 | |