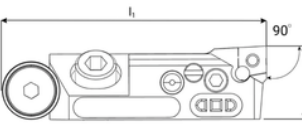
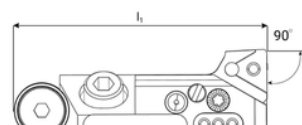
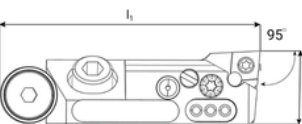
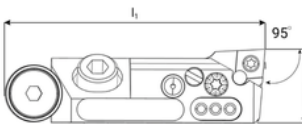
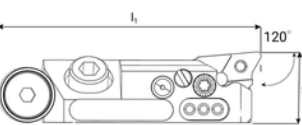
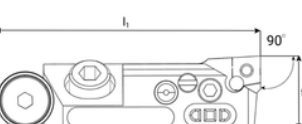
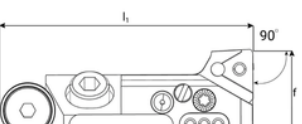




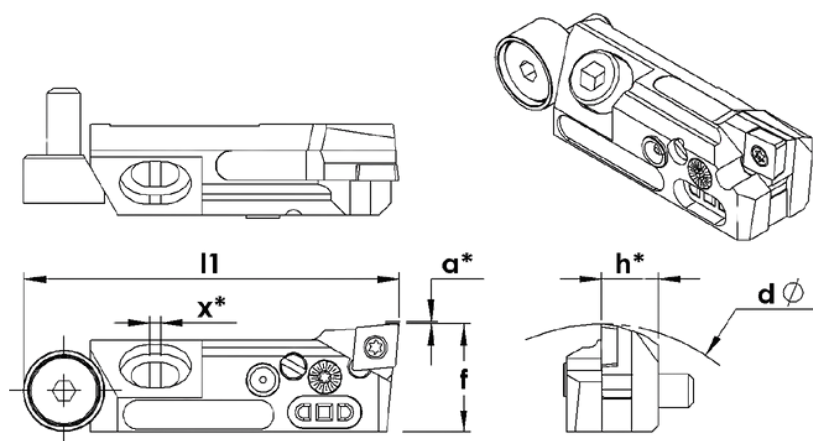
**Smartbore**  
Micron accurate cutting edge tool adjuster

**Finish boring tools with digital adjustment & display**  
Accurate to one micron on diameter

## Smartbore Cartridge Technical Specification

|                                                                                                                      | Part Number                             | Min bore dia (mm) | f (mm) | L <sub>1</sub> (mm) | Insert     | Datum Rad (mm) |
|----------------------------------------------------------------------------------------------------------------------|-----------------------------------------|-------------------|--------|---------------------|------------|----------------|
|  <p>SB-UFP0690 (RH &amp; LH)</p>    | <p>SB-UFP0690</p> <p>SB-UFP0690LH</p>   | 28.0              | 16.0   | 55.5                | CC..0602.. | 0.4            |
|  <p>SB-UFP1190 (RH &amp; LH)</p>    | <p>SB-UFP1190</p> <p>SB-UFP1190LH</p>   | 36.0              | 20.0   | 55.5                | TC..1102.. | 0.4            |
|  <p>SB-UFP0695 (RH &amp; LH)</p>   | <p>SB-UFP0695</p> <p>SB-UFP0695LH</p>   | 28.0              | 16.0   | 55.5                | CC..0602.. | 0.4            |
|  <p>SB-UFP1195 (RH &amp; LH)</p>  | <p>SB-UFP1195</p> <p>SB-UFP1195LH</p>   | 36.0              | 20.0   | 55.5                | TC..1102.. | 0.4            |
|  <p>SB-UFP07120 (RH &amp; LH)</p> | <p>SB-UFP07120</p> <p>SB-UFP07120LH</p> | 28.0              | 16.0   | 55.5                | DC..0702.. | 0.4            |
|  <p>SB-UFP1290 (RH)</p>           | SB-UFP1290                              | 75.0              | 32.0   | 107.0               | CC..1204.. | 0.4            |
|  <p>SB-UFP1690 (RH)</p>           | SB-UFP1690                              | 75.0              | 32.0   | 107.0               | TC..16T3.. | 0.4            |

## Smartbore Cartridge Technical Specifications



$a^*$  : 0.3mm adjustment range

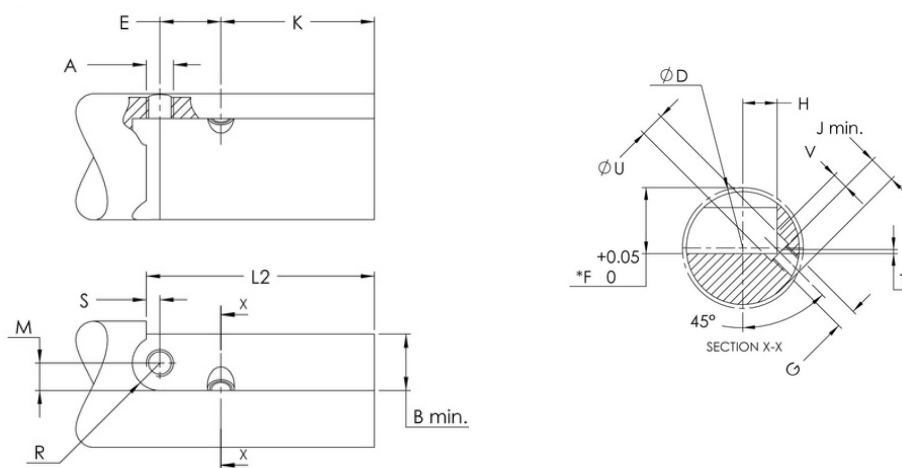
0.001mm per division on diameter

$h^*$  : 8.5 (UFP06-11)  
18.0 (UFP12-16)

$x^*$  : 1.0 (UFP06-11)  
1.6 (UFP12-16)

Right hand shown  
Left hand mirror image

## Mounting Dimensions



| UFP        | A       | B (min) | H    | L2   | R    | S   | K    | G       | T   | U (diam) | V   | J (min) | E    | M    |
|------------|---------|---------|------|------|------|-----|------|---------|-----|----------|-----|---------|------|------|
|            |         | mm      | mm   | mm   | mm   | mm  | mm   |         | mm  | mm       | mm  | mm      | mm   | mm   |
| UFP06-11   | M5X0.8  | 12.5    | 8.5  | 47.5 | 6.1  | 3.0 | 34.0 | M5X.08  | 1.0 | 6.0      | 4.0 | 5.0     | 13.5 | 6.1  |
| UFP12 & 16 | M10X1.5 | 24.6    | 18.0 | 98.0 | 10.1 | 3.0 | 63.0 | M10X1.5 | 1.4 | 11.0     | 8.0 | 10.0    | 32.0 | 10.0 |

## Spares & Accessories

| UFP                      | Clamp Screw | Hexagon Wrench for Clamp Screw | Axial Adjusting Screw | Axial Wedge | Insert Screw      | Torx Wrench for Insert Screw | Grease Gun | Hexagon Wrench for Axial Screw | Torx Wrench for Adjustment Screw | Smartbore Adjuster | Battery Charger |
|--------------------------|-------------|--------------------------------|-----------------------|-------------|-------------------|------------------------------|------------|--------------------------------|----------------------------------|--------------------|-----------------|
| Standard 06-11           | WS360       | R58                            | WS359                 | WP311       | RS2560            | R37                          | UFGP-00    | R48                            | -                                | SB-ADJ187          | SB-CHR07        |
| SB-UFP1290<br>SB-UFP1690 | WS1035      | R108                           | WS830                 | WP411       | RS40120<br>RS4084 | R87<br>R77                   | UFGP-00    | R88                            | R57                              | SB-ADJ187          | SB-CHR07        |

<https://rigibore.com>

Rigibore Ltd  
Guildford Road Industrial Estate  
Hayle, Cornwall  
TR27 4QZ  
Tel: +44 (0)1736 755355  
Email: [info@rigibore.com](mailto:info@rigibore.com)

Rigibore Inc  
700, Swan Drive  
Mukwonago  
WI 53149  
USA  
Tel: +1 262 363 3922  
Email: [info@rigiboreinc.com](mailto:info@rigiboreinc.com)

Rigibore India Private Ltd  
4/1 Brindavan  
Millers Road  
Bangalore 560052  
India  
Tel: +9180 4125 3035  
Email: [info@rigibore-india.com](mailto:info@rigibore-india.com)

Rigibore India Private Ltd  
fmTOS,  
Plot No S 13, Pune - Nashik Hwy,  
Tathawade, Sector No. 1, Bhosari, Pune,  
Pimpri-Chinchwad,  
Maharashtra 411039

