

# KAYSAFE ENGINEERING LTD

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## DATA SHEET 30 – FIG TB705 BASKET (TOP HAT) STRAINER

**SIZES:** 1" to 36" NB Larger on request

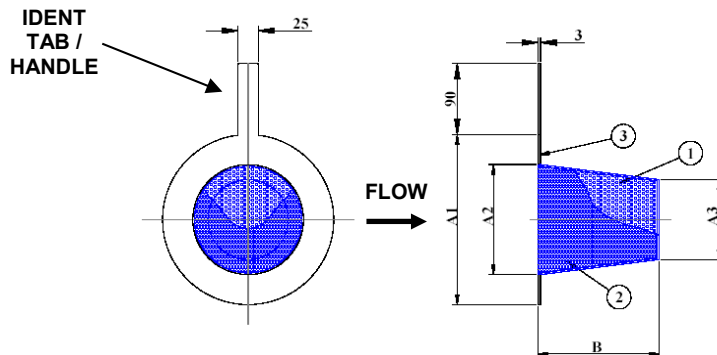
**TO SUIT FLANGES TO:** ANSI B16.5  
BS4504/DIN  
BS10  
JIS

**END CONNECTIONS:** To suit RF / RTJ

**STANDARDS:** EN10204 2.1

**FINISH:** None as welded

**NDT:** Visual only (PMI on request)



### Dimensions approx (mm)

| NB        | A1<br>150 RF | A1<br>300 RF | A1<br>600 RF | A2  | A3  | B<br>Short<br>Pattern | B<br>Long<br>Pattern | ~Weight KG<br>Short<br>Pattern | ~Weight KG<br>Long<br>Pattern |
|-----------|--------------|--------------|--------------|-----|-----|-----------------------|----------------------|--------------------------------|-------------------------------|
| 1"/25mm   | 63           | 69           | 69           | 22  | 12  | 38                    | 50                   | 0.2                            | 0.25                          |
| 1½"/40mm  | 79           | 88           | 88           | 31  | 19  | 63                    | 88                   | 0.2                            | 0.25                          |
| 2"/50mm   | 98           | 104          | 104          | 44  | 31  | 83                    | 98                   | 0.2                            | 0.25                          |
| 2½"/65mm  | 116          | 123          | 123          | 53  | 42  | 86                    | 115                  | 0.4                            | 0.50                          |
| 3"/80mm   | 130          | 142          | 142          | 67  | 50  | 88                    | 114                  | 0.4                            | 0.50                          |
| 4"/100mm  | 168          | 174          | 187          | 88  | 63  | 114                   | 152                  | 0.6                            | 0.75                          |
| 6"/150mm  | 215          | 244          | 260          | 139 | 101 | 165                   | 228                  | 1.1                            | 1.38                          |
| 8"/200mm  | 273          | 301          | 314          | 181 | 142 | 215                   | 304                  | 2.0                            | 2.50                          |
| 10"/250mm | 333          | 355          | 393          | 228 | 184 | 254                   | 355                  | 2.7                            | 3.38                          |
| 12"/300mm | 403          | 415          | 450          | 276 | 225 | 304                   | 419                  | 3.6                            | 4.50                          |
| 14"/350mm | 444          | 479          | 485          | 320 | 257 | 330                   | 431                  | 4.5                            | 5.63                          |
| 16"/400mm | 508          | 533          | 558          | 368 | 290 | 355                   | 482                  | 5.4                            | 6.75                          |
| 18"/450mm | 542          | 590          | 606          | 415 | 342 | 381                   | 533                  | 6.8                            | 8.50                          |
| 20"/500mm | 600          | 647          | 676          | 466 | 381 | 431                   | 609                  | 9.0                            | 11.25                         |
| 24"/600mm | 711          | 768          | 784          | 568 | 457 | 508                   | 711                  | 12.2                           | 15.25                         |
| 28"/700mm | 811          | 813          | 840          | 665 | 528 | 598                   | 843                  | 16.0                           | 21.00                         |
| 32" 800mm | 911          | 906          | 936          | 765 | 593 | 698                   | 983                  | 23.0                           | 29.0                          |
| 36" 900mm | 1011         | 1006         | 1036         | 865 | 630 | 835                   | 1176                 | 31.0                           | 37.0                          |

### NOTES

- Standard screen – 3 mm perf. (Mesh overlay available on request)
- Alternative length **B** available on request or to suit process conditions
- Standard flow direction is from outside of cone to in.
- Screen handle/indent tab will be stamped to indicate size, rating & tag no where applicable
- Rings are as rolled un-machined as standard. (Machined rings available on request)
- Ring thickness. 300mm and below – 3mm, 350mm to 600mm – 5mm, 650mm and above – 6mm
- Internal strengtheners dependant on process conditions & specific project requirements
- Screens are not pressure retaining items and should not be exposed to a differential pressure in excess of 0.5 Bar G without our consent.
- Manufactured in the UK - Materials from UK stockists / world wide source

### Materials of construction

| ITEM |                                    | STAINLESS STEEL |       |
|------|------------------------------------|-----------------|-------|
| 1/2  | TRUNCATED CONE (FABRICATED) / MESH | 304/L           | 316/L |
| 3    | RING                               | 304/L           | 316/L |

### NOTES

- Other materials such 316LSS, Monel, Hastelloy, Inconel, Duplex & Super Duplex stainless steels and other special alloys available on request
- Connections to suit Higher pressure units (900/15000/2500#) available on request

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