

## Standard cone crusher capacity

Standard Symons cone crushers — cavities • feed openings • feed openings • product sizes

| Size              | Type of cavity | Recommended minimum discharge setting A |               | Feed opening with min. recommended discharge setting A |                | 1/4" (6mm) |           | 3/8" (9mm) |           | 1/2" (13mm) |           | 5/8" (16mm) |           | 3/4" (19mm) |           |
|-------------------|----------------|---|---------------|--|----------------|------------|-----------|------------|-----------|-------------|-----------|-------------|-----------|-------------|-----------|
|                   |                | Closed side                             |               | Open side  |                | B          |           | B          |           | B           |           | B           |           | B           |           |
|                   |                | Setting A                               | Setting B     | Setting A  | Setting B      | Setting A  | Setting B | Setting A  | Setting B | Setting A   | Setting B | Setting A   | Setting B | Setting A   | Setting B |
| 2 FL (600mm)      | Fine Coarse    | 3/4" (19mm)                             | 1" (25mm)     | 2 1/2" (63mm)  | 3" (76mm)      | 18         | 20        | 25         | 30        | 35          | 40        | 45          | 50        | 55          | 60        |
|                   | Extra Coarse   | 1 1/2" (38mm)                           | 2" (51mm)     | 4" (102mm)   | 5 1/2" (139mm) |            |           |            |           |             |           |             |           |             |           |
| 3 FL (900mm)      | Fine Coarse    | 1" (25mm)                               | 1 1/4" (31mm) | 3 1/2" (89mm)  | 4 1/2" (114mm) | 50         | 65        | 80         | 100       | 120         | 140       | 160         | 180       | 200         | 220       |
|                   | Extra Coarse   | 1 1/2" (38mm)                           | 2" (51mm)     | 5" (127mm)   | 6 1/2" (165mm) | 70         | 100       | 120        | 150       | 180         | 220       | 270         | 340       | 420         | 500       |
| 4 FL (1200mm)     | Fine Coarse    | 1 1/4" (31mm)                           | 1 3/4" (44mm) | 4 1/2" (114mm)   | 5 1/2" (139mm) |            |           |            |           |             |           |             |           |             |           |
|                   | Extra Coarse   | 2" (51mm)                               | 2 1/2" (63mm) | 6 1/2" (165mm)   | 8" (203mm)     |            |           |            |           |             |           |             |           |             |           |
| 4 1/4 FL (1275mm) | Fine Coarse    | 1 1/2" (38mm)                           | 1 3/4" (44mm) | 4 1/2" (114mm)   | 5 1/2" (139mm) |            |           |            |           |             |           |             |           |             |           |
|                   | Extra Coarse   | 2" (51mm)                               | 2 1/2" (63mm) | 6 1/2" (165mm)   | 8" (203mm)     |            |           |            |           |             |           |             |           |             |           |
| 5 1/2 FL (1650mm) | Fine Coarse    | 1 3/4" (44mm)                           | 2" (51mm)     | 5" (127mm)   | 6 1/2" (165mm) |            |           |            |           |             |           |             |           |             |           |
|                   | Extra Coarse   | 2 1/2" (63mm)                           | 3" (76mm)     | 7 1/2" (190mm)   | 10" (254mm)    |            |           |            |           |             |           |             |           |             |           |
| 7 FL HD (2100mm)  | Fine Coarse    | 2" (51mm)                               | 2 1/2" (63mm) | 6 1/2" (165mm)   | 8" (203mm)     |            |           |            |           |             |           |             |           |             |           |
|                   | Extra Coarse   | 3" (76mm)                               | 3 1/2" (89mm) | 9" (229mm)   | 12" (305mm)    |            |           |            |           |             |           |             |           |             |           |
| 7 FL X HD         | Fine Coarse    | 2 1/2" (63mm)                           | 3" (76mm)     | 7 1/2" (190mm)   | 10" (254mm)    |            |           |            |           |             |           |             |           |             |           |
|                   | Extra Coarse   | 3 1/2" (89mm)                           | 4" (102mm)    | 10 1/2" (267mm)  | 14" (356mm)    |            |           |            |           |             |           |             |           |             |           |

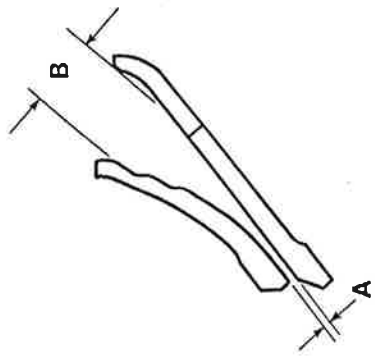
Consult factory for capacities

### Closed circuit — capacities in tons (2000 lb) per hour based on closed circuit operation

| Size              | Type of cavity | Recommended minimum discharge setting A | Feed opening with min. recommended discharge setting A |                | Effective square opening on circuit screen |           |    |    |    |    |    |
|-------------------|----------------|---|--|----------------|--|-----------|----|----|----|----|----|
|                   |                |   | Closed side  |                | Open side                                  |           |    |    |    |    |    |
|                   |                |   | Setting A  | Setting B      | Setting A                                  | Setting B |    |    |    |    |    |
| 2 FL (600mm)      | Fine Coarse    | 3/4" (19mm)                             | 1" (25mm)  | 2 1/2" (63mm)  | 3" (76mm)                                  | 10        | 20 | 12 | 24 | 16 | 28 |
|                   | Extra Coarse   | 1 1/2" (38mm)                           | 2" (51mm)  | 4" (102mm)     | 5 1/2" (139mm)                             |           |    |    |    |    |    |
| 3 FL (900mm)      | Fine Coarse    | 1" (25mm)                               | 1 1/4" (31mm)  | 3 1/2" (89mm)  | 4 1/2" (114mm)                             | 35        | 65 | 40 | 70 |    |    |
|                   | Extra Coarse   | 1 1/2" (38mm)                           | 2" (51mm)  | 5" (127mm)     | 6 1/2" (165mm)                             |           |    |    |    |    |    |
| 4 FL (1200mm)     | Fine Coarse    | 1 1/4" (31mm)                           | 1 3/4" (44mm)  | 4 1/2" (114mm) | 5 1/2" (139mm)                             |           |    |    |    |    |    |
|                   | Extra Coarse   | 2" (51mm)                               | 2 1/2" (63mm)  | 6 1/2" (165mm) | 8" (203mm)                                 |           |    |    |    |    |    |
| 4 1/4 FL (1275mm) | Fine Coarse    | 1 1/2" (38mm)                           | 1 3/4" (44mm)  | 4 1/2" (114mm) | 5 1/2" (139mm)                             |           |    |    |    |    |    |
|                   | Extra Coarse   | 2" (51mm)                               | 2 1/2" (63mm)  | 6 1/2" (165mm) | 8" (203mm)                                 |           |    |    |    |    |    |
| 5 1/2 FL (1650mm) | Fine Coarse    | 1 3/4" (44mm)                           | 2" (51mm)  | 5" (127mm)     | 6 1/2" (165mm)                             |           |    |    |    |    |    |
|                   | Extra Coarse   | 2 1/2" (63mm)                           | 3" (76mm)  | 7 1/2" (190mm) | 10" (254mm)                                |           |    |    |    |    |    |
| 7 FL HD (2100mm)  | Fine Coarse    | 2" (51mm)                               | 2 1/2" (63mm)  | 6 1/2" (165mm) | 8" (203mm)                                 |           |    |    |    |    |    |
|                   | Extra Coarse   | 3" (76mm)                               | 3 1/2" (89mm)  | 9" (229mm)     | 12" (305mm)                                |           |    |    |    |    |    |

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Note 1 Net finished product (screen undersize)

Note 2 Tons per hour passing through crusher (net finished product plus recirculating load)

| setting "A" | capacities  |           |               |           |               |
|-------------|-------------|-----------|---------------|-----------|---------------|
|             | 7/8" (22mm) | 1" (25mm) | 1-1/4" (31mm) | 2" (51mm) | 2-1/2" (64mm) |
| 40          | 45          | 50        | 60            |           |               |
| 45          | 50          | 55        | 65            |           |               |
| 50          | 55          | 60        | 70            |           |               |
| 100         | 130         | 150       | 180           |           |               |
| 155         | 170         | 185       | 220           |           |               |
| 160         | 180         | 200       | 220           | 340       |               |
| 170         | 200         | 220       | 280           | 350       |               |
| 170         | 190         | 200       | 280           |           |               |
| 215         | 240         | 275       | 325           | 365       |               |
| 250         | 285         | 325       | 360           | 395       |               |
| 285         | 320         | 390       | 460           | 500       | 700           |
| 450         | 550         | 660       | 800           | 1100      | 1400          |
|             | 1300        | 1600      | 1900          | 2500      | 3150          |
|             | 1570        | 1800      | 2100          | 2700      | 3400          |

| 5/8" (16mm) | for closed circuit operation |             |             |           |               |
|-------------|------------------------------|-------------|-------------|-----------|---------------|
|             | 3/4" (19mm)                  | 5/8" (16mm) | 3/4" (19mm) | 1" (25mm) | 1 1/4" (31mm) |
| 30          | 34                           | 35          | 38          | 42        | 48            |
| 20          | 24                           | 25          | 28          | 32        | 40            |
| 20          | 24                           | 25          | 28          | 32        | 40            |
| 45          | 50                           | 50          | 55          | 60        | 65            |
| 45          | 50                           | 50          | 55          | 60        | 65            |
| 70          | 105                          | 125         | 150         | 175       | 200           |
| 70          | 110                          | 145         | 170         | 200       | 235           |
| 95          | 135                          | 155         | 185         | 215       | 250           |
|             | 150                          | 175         | 200         | 230       | 270           |
|             | 180                          | 210         | 240         | 280       | 330           |
|             | 235                          | 275         | 310         | 350       | 400           |
|             | 270                          | 310         | 350         | 400       | 450           |

| Size              | Type of cavity | Recommended minimum discharge setting A | Feed opening with min. recommended discharge setting A |                | Effective square opening on circuit screen |           |    |    |    |    |    |
|-------------------|----------------|---|--|----------------|--|-----------|----|----|----|----|----|
|                   |                |   | Closed side  |                | Open side                                  |           |    |    |    |    |    |
|                   |                |   | Setting A  | Setting B      | Setting A                                  | Setting B |    |    |    |    |    |
| 2 FL (600mm)      | Fine Coarse    | 3/4" (19mm)                             | 1" (25mm)  | 2 1/2" (63mm)  | 3" (76mm)                                  | 10        | 20 | 12 | 24 | 16 | 28 |
|                   | Extra Coarse   | 1 1/2" (38mm)                           | 2" (51mm)  | 4" (102mm)     | 5 1/2" (139mm)                             |           |    |    |    |    |    |
| 3 FL (900mm)      | Fine Coarse    | 1" (25mm)                               | 1 1/4" (31mm)  | 3 1/2" (89mm)  | 4 1/2" (114mm)                             | 35        | 65 | 40 | 70 |    |    |
|                   | Extra Coarse   | 1 1/2" (38mm)                           | 2" (51mm)  | 5" (127mm)     | 6 1/2" (165mm)                             |           |    |    |    |    |    |
| 4 FL (1200mm)     | Fine Coarse    | 1 1/4" (31mm)                           | 1 3/4" (44mm)  | 4 1/2" (114mm) | 5 1/2" (139mm)                             |           |    |    |    |    |    |
|                   | Extra Coarse   | 2" (51mm)                               | 2 1/2" (63mm)  | 6 1/2" (165mm) | 8" (203mm)                                 |           |    |    |    |    |    |
| 4 1/4 FL (1275mm) | Fine Coarse    | 1 1/2" (38mm)                           | 1 3/4" (44mm)  | 4 1/2" (114mm) | 5 1/2" (139mm)                             |           |    |    |    |    |    |
|                   | Extra Coarse   | 2" (51mm)                               | 2 1/2" (63mm)  | 6 1/2" (165mm) | 8" (203mm)                                 |           |    |    |    |    |    |
| 5 1/2 FL (1650mm) | Fine Coarse    | 1 3/4" (44mm)                           | 2" (51mm)  | 5" (127mm)     | 6 1/2" (165mm)                             |           |    |    |    |    |    |
|                   | Extra Coarse   | 2 1/2" (63mm)                           | 3" (76mm)  | 7 1/2" (190mm) | 10" (254mm)                                |           |    |    |    |    |    |
| 7 FL HD (2100mm)  | Fine Coarse    | 2" (51mm)                               | 2 1/2" (63mm)  | 6 1/2" (165mm) | 8" (203mm)                                 |           |    |    |    |    |    |
|                   | Extra Coarse   | 3" (76mm)                               | 3 1/2" (89mm)  | 9" (229mm)     | 12" (305mm)                                |           |    |    |    |    |    |