

# Short Head cone crusher capacities

Short Head Symons cone crushers — cavities • feed openings •

| Open circuit — capacities in tons (2000 lb) per hour passing through the crusher at indicated |                                          |                                         |                                                        |                                       |          |          |
|-----------------------------------------------------------------------------------------------|------------------------------------------|-----------------------------------------|--------------------------------------------------------|---------------------------------------|----------|----------|
| Size                                                                                          | Type of cavity                           | Recommended minimum discharge setting C | Feed opening with min. recommended discharge setting C |                                       | 1/8"     | 3/16"    |
|                                                                                               |                                          |                                         | D Closed side                                          | D Open side                           |          |          |
| 2 Ft.                                                                                         | Fine<br>Coarse                           | 1/8"<br>3/16"                           | 3/4"<br>1-1/2"                                         | 1-3/8"<br>2"                          | 10       | 18<br>18 |
| 3 Ft.                                                                                         | Fine<br>Medium<br>Coarse                 | 1/8"<br>1/8"<br>1/4"                    | 1/2"<br>1-5/16"<br>2"                                  | 1-5/8"<br>2-3/8"<br>3"                | 30<br>30 | 45<br>45 |
| 4 Ft.                                                                                         | Fine<br>Medium<br>Coarse<br>Extra Coarse | 3/16"<br>5/16"<br>1/2"<br>5/8"          | 2-3/4"<br>1-3/4"<br>2-3/16"<br>3-1/2"                  | 3-3/4"<br>2-7/8"<br>3-1/2"<br>4-5/8"  |          | 55       |
| 4 1/2 Ft.                                                                                     | Fine<br>Medium<br>Coarse<br>Extra Coarse | 1/8"<br>1/4"<br>5/16"<br>5/8"           | 1-1/8"<br>2-1/8"<br>2-13/16"<br>3-3/4"                 | 2-1/2"<br>3-1/2"<br>4-1/16"<br>5-1/8" | 40       | 65       |
| 5 1/2 Ft.                                                                                     | Fine<br>Medium<br>Coarse<br>Extra Coarse | 3/16"<br>1/4"<br>3/8"<br>1/2"           | 1-3/8"<br>2-1/8"<br>3-7/8"<br>4-5/8"                   | 2-3/4"<br>3-1/2"<br>5-1/4"<br>6"      |          | 100      |
| 7 Ft. HD                                                                                      | Fine<br>Medium<br>Coarse<br>Extra Coarse | 3/16"<br>3/8"<br>1/2"<br>5/8"           | 2"<br>3-3/4"<br>5"<br>6"                               | 4-1/8"<br>5-1/4"<br>7"<br>8"          |          | 210      |
| 7 Ft. XHD                                                                                     | 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 C | Feed opening with min. recommended discharge setting C |                                       | Effective square opening on |          |          |          |
|                                                                                          |                                          |                                         |                                                        |                                       | 1/8"                        |          | 3/16"    |          |
|                                                                                          |                                          |                                         | D<br>Closed side      D<br>Open side                   |                                       | Recommended closed side     |          |          |          |
|                                                                                          |                                          |                                         |                                                        |                                       | 1/8"                        |          | 3/16"    |          |
|                                                                                          |                                          |                                         |                                                        |                                       | Note 1                      | Note 2   | Note 1   | Note 2   |
| 2 Ft.                                                                                    | Fine<br>Coarse                           | 1/8"<br>3/16"                           | 3/4"<br>1-1/2"                                         | 1-3/8"<br>2"                          | 6                           | 12       | 10<br>10 | 20<br>20 |
| 3 Ft.                                                                                    | Fine<br>Medium<br>Coarse                 | 1/8"<br>1/8"<br>1/4"                    | 1/2"<br>1-5/16"<br>2"                                  | 1-5/8"<br>2-3/8"<br>3"                | 15<br>15                    | 30<br>30 | 20<br>20 | 40<br>40 |
| 4 Ft.                                                                                    | Fine<br>Medium<br>Coarse<br>Extra Coarse | 3/16"<br>5/16"<br>1/2"<br>5/8"          | 2-3/4"<br>1-3/4"<br>2-3/16"<br>3-1/2"                  | 3-3/4"<br>2-7/8"<br>3-1/2"<br>4-5/8"  |                             |          | 30       | 60       |
| 4 1/2 Ft.                                                                                | Fine<br>Medium<br>Coarse<br>Extra Coarse | 1/8"<br>1/4"<br>5/16"<br>5/8"           | 1-1/8"<br>2-1/8"<br>2-13/16"<br>3-3/4"                 | 2-1/2"<br>3-1/2"<br>4-1/16"<br>5-1/8" | 20                          | 40       | 35       | 70       |
| 5 1/2 Ft.                                                                                | Fine<br>Medium<br>Coarse<br>Extra Coarse | 3/16"<br>1/4"<br>3/8"<br>1/2"           | 1-3/8"<br>2-1/8"<br>3-7/8"<br>4-5/8"                   | 2-3/4"<br>3-1/2"<br>5-1/4"<br>6"      |                             |          | 65       | 130      |
| 7 Ft. HD                                                                                 | Fine<br>Medium<br>Coarse<br>Extra Coarse | 3/16"<br>3/8"<br>1/2"<br>5/8"           | 2"<br>3-3/4"<br>5"<br>6"                               | 4-1/8"<br>5-1/4"<br>7"<br>8"          |                             |          | 120      | 240      |
| 7 Ft. XHD                                                                                | Consult factory for capacities           |                                         |                                                        |                                       |                             |          |          |          |