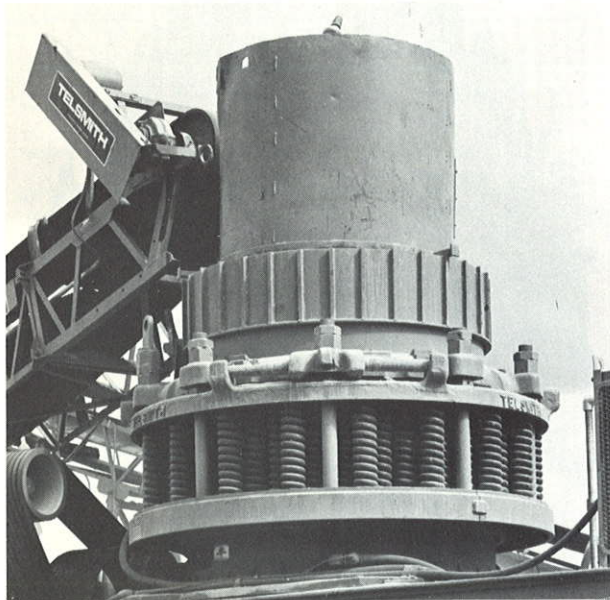


# Gyrasphere Crushers

- "Cam & lever" design produces the most powerful crushing action ever developed in any crushing device.
- Fabricated steel main frame
- Manganese steel crushing members
- Easy manganese replacement
- Patented rotary seal
- All outside and inside working parts readily accessible for quick, easy maintenance.
- Spring overload relief provides automatic protection and relief from tramp iron or packing.



Telsmith Gyrasphere crushers are recognized for their high capacity, low power requirements, low maintenance and high reduction ratio.

They are available in S (standard) and FC (fine crushing) types, in sizes ranging from 24" to 66", for work in portable or stationary installations.

Type S Gyraspheres are designed for coarse and intermediate crushing and the FC for fine, secondary and tertiary crushing. The 245S, 367S, and 6614S have extra large receiving openings for handling large feed at relatively coarse discharge settings.

Patented rotary seal converts reciprocating or gyratory motion into rotary motion, and allows the use of piston ring and labyrinth seals to protect all inside working parts from dust, moisture, and loss of lubricant.

Large diameter, special heavy-duty roller thrust bearings with great load-carrying capacity transmit all vertical thrust crushing pressure directly into the center hub of the lower main frame.

Eccentric bearings give the largest amount of bearing area in the zones of greatest pressures, assuring long bearing life.

Force feed oil system with filters provides regulated lubrication to all working parts.

Oil temperature and pressure alarm system provides full protection against damage due to oil failure.

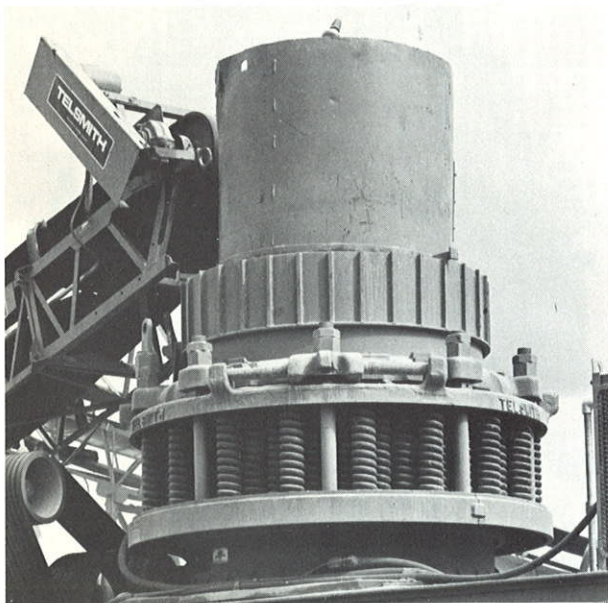
## GYRASPHERE CRUSHERS

Model and Style of Gyrasphere	24S	245S	24FC	36S	367S	36FC	48S	489S	48FC	66S	6614S	66FC
<b>SPECIFICATIONS</b>												
Speed of Pulley, R.P.M.	725	725	725	600	600	600	525	525	525	500	500	500
Power Required, Electric, H.P.	30	30	40	75	75	100	150	150	200	250	300	300
Shipping Weight, Pounds, Approximate	9800	10000	10000	24000	24600	24700	42500	43600	43500	98000	98000	98000
Weight, Boxed for Export, Pounds, Approx.	10000	10200	10200	24750	25050	25450	43600	45500	44600	99600	99600	99600
Contents, Boxed for Export, Cubic Feet, Approx.	160	160	160	340	340	340	650	650	650	1330	1330	1330
<b>SETTINGS &amp; CAPACITIES</b>												
Extra Coarse Concave Ring, Feed Opening, Open Side	—	—	—	7 <sup>1</sup> / <sub>8</sub> "	—	—	8 <sup>1</sup> / <sub>2</sub> "	—	—	—	—	—
Coarse Concave Ring, Feed Opening, Open Side	3 <sup>1</sup> / <sub>4</sub> "	4 <sup>5</sup> / <sub>8</sub> "	2 <sup>1</sup> / <sub>2</sub> "	4 <sup>7</sup> / <sub>8</sub> "	7 <sup>3</sup> / <sub>4</sub> "	3"	7 <sup>1</sup> / <sub>2</sub> "	10"	4 <sup>1</sup> / <sub>8</sub> "	11"	15"	5 <sup>3</sup> / <sub>4</sub> "
Medium Concave Ring, Feed Opening, Open Side	2 <sup>1</sup> / <sub>2</sub> "	—	1 <sup>3</sup> / <sub>4</sub> "	4 <sup>1</sup> / <sub>2</sub> "	—	2"	5 <sup>7</sup> / <sub>8</sub> "	—	3"	9"	—	4 <sup>1</sup> / <sub>2</sub> "
Fine Concave Ring, Feed Opening, Open Side	—	—	1 <sup>1</sup> / <sub>16</sub> "	—	—	1 <sup>3</sup> / <sub>4</sub> "	—	—	2 <sup>1</sup> / <sub>4</sub> "	—	—	3"
Capacity, 1/8" Discharge Setting, T.P.H. Approx.	—	—	4	—	—	—	—	—	—	—	—	—
Capacity, 3/16" Discharge Setting, T.P.H. Approx.	—	—	8	—	—	20	—	—	—	—	—	—
Capacity, 1/4" Discharge Setting, T.P.H. Approx.	17	—	10	—	—	32	—	—	50	—	—	—
Capacity, 3/8" Discharge Setting, T.P.H. Approx.	22	—	14	36	—	42	—	—	80	—	—	140
Capacity, 1/2" Discharge Setting, T.P.H. Approx.	27	27	20	41	—	52	85	—	105	—	—	180
Capacity, 5/8" Discharge Setting, T.P.H. Approx.	32	32	25	56	—	62	110	—	130	—	—	215
Capacity, 3/4" Discharge Setting, T.P.H. Approx.	37	37	30	71	71	72	135	—	155	200	—	250
Capacity, 7/8" Discharge Setting, T.P.H. Approx.	42	42	—	77	77	80	155	—	180	235	—	280
Capacity, 1" Discharge Setting, T.P.H. Approx.	47	47	—	83	83	95	170	170	205	275	—	310
Capacity, 1 1/4" Discharge Setting, T.P.H. Approx.	53	53	—	89	89	—	185	185	—	320	—	—
Capacity, 1 1/2" Discharge Setting, T.P.H. Approx.	—	—	—	105	105	—	200	200	—	365	365	—
Capacity, 2" Discharge Setting, T.P.H. Approx.	—	—	—	110	110	—	215	215	—	410	410	—
Capacity, 2 1/2" Discharge Setting, T.P.H. Approx.	—	—	—	—	—	—	230	230	—	455	455	—

Capacities shown are based on conditions listed in general notes on page 22 of the Telsmith Handbook.

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Contents, Boxed for Export, Cubic Feet, Approx.	160	160	160	340	340	340	650	650	650	1330	1330	1330
<b>SETTINGS &amp; CAPACITIES</b>												
Extra Coarse Concave Ring, Feed Opening, Open Side	—	—	—	7½"	—	—	8½"	—	—	—	—	—
Coarse Concave Ring, Feed Opening, Open Side	3¼"	4⅞"	2½"	4⅞"	7¾"	3"	7½"	10"	4⅞"	11"	15"	5¾"
Medium Concave Ring, Feed Opening, Open Side	2½"	—	1¾"	4½"	—	2"	5⅞"	—	3"	9"	—	4½"
Fine Concave Ring, Feed Opening, Open Side	—	—	1¼"	—	—	1¾"	—	—	2¼"	—	—	3"
Capacity, ⅛" Discharge Setting, T.P.H. Approx.	—	—	4	—	—	—	—	—	—	—	—	—
Capacity, ⅜" Discharge Setting, T.P.H. Approx.	—	—	8	—	—	20	—	—	—	—	—	—
Capacity, ¼" Discharge Setting, T.P.H. Approx.	17	—	10	—	—	32	—	—	50	—	—	—
Capacity, ⅜" Discharge Setting, T.P.H. Approx.	22	—	14	36	—	42	—	—	80	—	—	140
Capacity, ½" Discharge Setting, T.P.H. Approx.	27	27	20	41	—	52	85	—	105	—	—	180
Capacity, ⅝" Discharge Setting, T.P.H. Approx.	32	32	25	56	—	62	110	—	130	—	—	215
Capacity, ¾" Discharge Setting, T.P.H. Approx.	37	37	30	71	71	72	135	—	155	200	—	250
Capacity, 7⁄8" Discharge Setting, T.P.H. Approx.	42	42	—	77	77	80	155	—	180	235	—	280
Capacity, 1" Discharge Setting, T.P.H. Approx.	47	47	—	83	83	95	170	170	205	275	—	310
Capacity, 1¼" Discharge Setting, T.P.H. Approx.	53	53	—	89	89	—	185	185	—	320	—	—
Capacity, 1½" Discharge Setting, T.P.H. Approx.	—	—	—	105	105	—	200	200	—	365	365	—
Capacity, 2" Discharge Setting, T.P.H. Approx.	—	—	—	110	110	—	215	215	—	410	410	—
Capacity, 2½" Discharge Setting, T.P.H. Approx.	—	—	—	—	—	—	230	230	—	455	455	—

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