Rotary Cutting Heads

TCH Series

For carriers from 1 to 125 Tons

Tramac's high-production excavator-mounted Rotary Cutting Heads

The Tramac TCH Rotary Cutting Head, a rotating double-drum rock cutting attachment, represents an alternate approach to concrete demolition, controlled excavation in soft to medium-hard materials, and scaling. TCH heads are intended for use with carriers from 1 to 125 Tons. **These low-noise units allow precise excavation of rock and concrete in trenching, scaling and tunneling operations.**

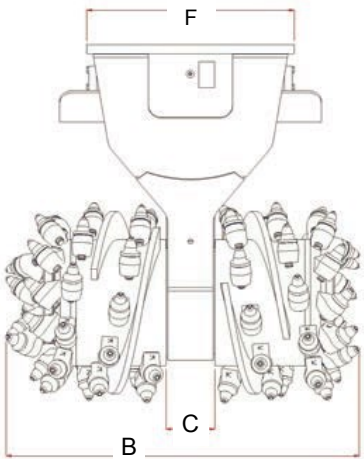
- **Optimum production**
  - allows accurate profiling of rock and concrete in trenching and tunneling applications
  - gives excellent results when used for scaling walls and ceilings in underground mines and quarries
  - eliminates hand-finishing in tunnel profiling
  - permits precisely controlled excavation around existing services in trenching operations
- **Minimum noise and vibration**
  - perfect for sites where environmental factors make blasting and hydraulic breaking inadvisable
- **Durable, replaceable cutting teeth**
  - tooth sizes and lacing patterns can be altered to suit rock excavation, demolition, and scaling jobs
- **Efficient fill production**
  - produces uniform excavated material that can be used as backfill in trenching jobs.
- **Fast, simple installation**
  - powered by the excavator's hydraulic circuit
  - easily interchangeable with other attachments

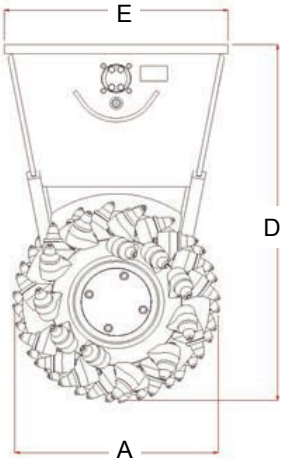
For dimensions and specifications, see the back of this page.

TCH Series Rotary Cutting Heads

Specifications and Dimensions

TYPE		TCH-15	TCH-25	TCH-45	TCH-65	TCH-85	TCH-125	TCH-185	TCH-195	TCH-325
Excavator Range	Metric Tonnes US Tons	1 - 3 1.1 - 3.3	3 - 8 3.3 - 8.8	8 - 12 8.8 - 13.2	12 - 18 13.2 - 19.8	18 - 26 19.8 - 28.7	26 - 40 28.6 - 44.1	40 - 50 44.1 - 55.1	50 - 65 55.1 - 71.6	65 - 125 71.6 - 137.8
Maximum Input Power	kW hp	9.5 12.7	22 29.5	29 38.9	41 54.9	70 93.8	110 147.4	140 187.7	220 295	400 536
Maximum Flow	lpm gpm	60 15.9	65 17.2	112.5 29.7	132 34.9	320 84.5	460 121.5	540 142.7	680 179.6	1000 264.2
Recommended Flow	lpm gpm	30 7.9	40 10.6	60 15.8	120 31.7	220 58.1	320 84.5	360 95.1	540 142.7	800 211.3
Maximum Pressure	bar psi	225 3263	400 5801	400 5801	400 5801	400 5801	400 5801	400 5801	400 5801	400 5801
Output Shaft Torque	Nm / bar Lb ft / psi	570 / 175 420.4 / 2538	3750 / 320 2750 / 4641	3570 / 300 2633 / 4351	6320 / 320 4662 / 4640	14272 / 320 10527/ 4640	21376/ 320 15767/ 4640	37723 / 350 27823 / 5076	47028 / 350 34686 / 5076	111650 / 320 82353 / 4640
Pick Force	kN / bar Lbs / psi	4.22 / 175 949 / 2538	21.8 / 320 4900 / 4641	17 / 300 3822 / 4351	26.6 / 320 5980 / 4640	44.2 / 320r 9937/ 4640	63.2 / 320 14197/ 4640	103.9 / 350 23358/ 5076	129.5 / 350 29113 / 5076	241.4 / 320 54269 / 4640
Output Shaft Speed	rpm / lpm rpm / gpm	125 / 30 125 / 7.9	50 / 40 50 / 10.6	80 / 60 80 / 15.8	95 / 120 95 / 31.7	78 / 220 78 / 58.1	76 / 320 76 / 84.5	53 / 360 50 / 95.1	53 / 450 53 / 118.9	40 / 800 40 / 211.3
Pick Speed	m/s / lpm ft/min / gpm	1.8 / 30 354 / 7.9	0.9 / 40 177 / 10.6	1.8 / 60 418.5 / 15.8	2.4 / 120 557 / 31.7	2.2 / 220 511 / 58.1	2.7 / 320 536 / 84.5	2 / 360 394 / 95.1	2 / 360 394 / 95.1	1.94 / 800 450 / 211.3
No of Picks (Rock Drums)	No. mm Shank	32 14	32 20	56 19	64 19	64 25.4	60 38/30	54 38/30	54 38/30	76 38
Unit Weight	kg lb	66 145	181 398.2	426 939	595 1312	1170 2556	1444 3183	2458 5419	2478 5463	5420 11950
Drum Diameter A	mm in	270 10.6	343.8 13.5	423 16.6	474.6 18.7	646 25.4	678 26.7	726.5 28.6	726.5 28.6	925 36.4
Drum Width B	mm in	300.1 11.8	400.6 15.8	744.3 29.3	831.2 32.7	1058.2 41.7	1161.2 45.7	1050.1 41.3	1050.1 41.3	1494 58.8
Drum Spacing C	mm in	60 2.4	82 3.2	103 4	118 4.6	143 5.6	143 5.6	250 9.8	250 9.8	339 13.3
Cutter Length D	mm in	509 20	618 24.3	798 31.4	937 36.9	1155 45.5	1170 46	1215 47.8	1215 47.8	1686 66.4
Dimensions of Adapter Plate E x F	mm in	256 x 160 10.1 x 6.3	318 x 220 12.5 x 8.7	560 x 410 22 x 16.1	650 x 495 25.6 x 19.5	700 x 650 27.5 x 25.6	700 x 650 27.5 x 25.6	800 x 751 31.5 x 29.6	800 x 835.5 31.5 x 32.9	1035 x 1165 40.7 x 45.9





ASSOCIATION OF EQUIPMENT MANUFACTURERS

Canada: 3421 Industriel Blvd / Laval, QC / H7L 4S3 / 1-888-663-8122 / 450-663-8122 / FAX 450-663-6797
1711 Rte de l'Aeroport #4 / L'Ancienne Lorette, Qc / G2G 2P4 / 418-877-5557 / FAX 450-877-1886
1-28 Steve Fonyo Dr. / Kingston, On / K7M 8N9 / 613-542-1500 / FAX 613-542-1505
e-mail: tramac@tramac.com http://www.tramac.com