

Rotary Cutting Heads

TCH Series

For carriers from 0,7 to 70 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 0,7 to 70 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

Rotary Cutting Heads—TCH Series

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-295
Excavator size	t	0,7 - 2,5	2,5 - 6	8 - 12	13 - 20	17 - 28	25 - 42	30 - 50	42 - 50	50 - 70
Hydraulic Power	kW	9.5	22	29	41	70	110	140	140	220
Operating Weight	kg	66	181	426	595	1170	1444	1800	2458	2478
Maximum Pressure	bar	225	400	400	400	400	400	400	400	400
Working Pressure	bar	50 - 225	180 - 400	180 - 400	180 - 400	180 - 400	180 - 400	180 - 400	180 - 400	180 - 400
Maximum Oil Flow	l/min	60	65	112.5	132	320	460	540	540	680
Optimum Oil Flow	l/min	30	40	60	120	220	320	360	360	540
Reduction Ratio		1:1	2:1	1:1	1:1	1:1	1:1	1.3:1	1.2:1	1.2:1
Drum Speed	rpm@ l/min	98 @ 30	50 @ 40	80 @ 60	96 @ 120	78 @ 220	76 @ 320	49,6 @ 360	52 @ 360	54 @ 540
Pick Speed	m/s @ l/min	1.39 @ 30	0.89 @ 40	1.8 @ 60	2.4 @ 120	2.2 @ 220	2.7 @ 320	1.8 @ 360	2.1 @ 360	2.0 @ 540
Cutter Torque	Nm@ bar	1095 @ 225	4429 @ 350	4173 @ 350	6945 @ 350	14272 @ 350	23362 @ 350	40325 @ 350	37833 @ 350	56068 @ 350
Pick Force	kN @ bar	8 @ 225	26 @ 350	19 @ 350	29 @ 350	48 @ 350	69 @ 350	118 @ 350	104 @ 350	154 @ 350
Number of Picks	No.	50	32	56	64	64	60	54	54	54
Size of Pick Holder	mm	14	19	19	19	25.4	38 / 30	38 / 30	38 / 30	38 / 30
Drum Diameter	A	mm	270	340	423	475	646	677	684	726
Drum Width	B	mm	300	405	743	832	1058	1156	835	1050
Drum Spacing	C	mm	60	82	103	118	143	143	202	250
Cutter Length	D	mm	509	618	798	937	1155	1170	943	1356
Dimensions of Adapter Plate	E x F	mm	256 X 160	318 X 220	560 X 410	650 X 495	700 X 650	700 X 650	700 X 650	800 X 650

