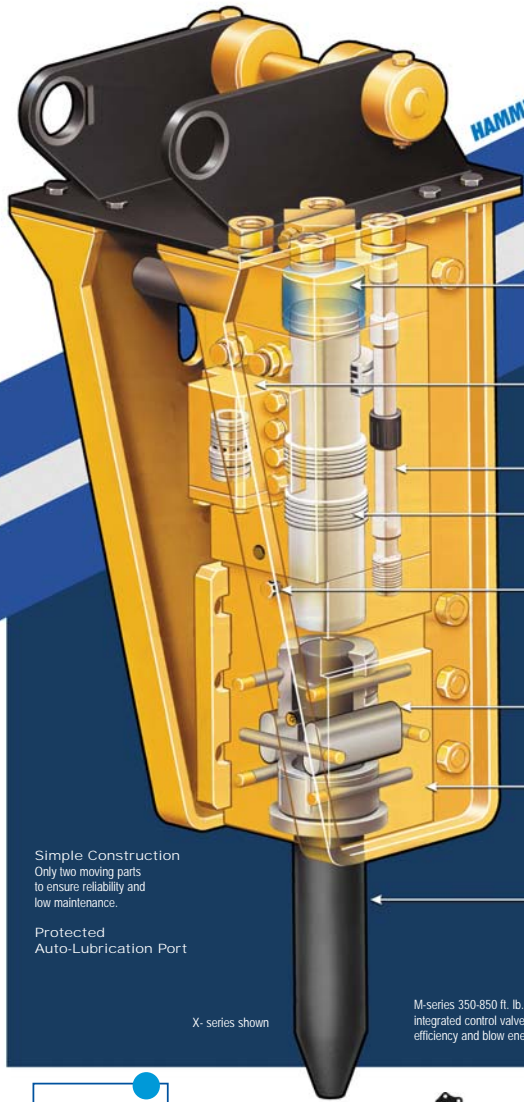


HAMMERING HOME OUR FEATURES



Nitrogen Cushion Chamber
designed to absorb piston recoil and recycle the energy to increase output on the next blow.

Control Valve
Simplicity of the valve's design minimizes interruption of oil flow, reducing hydraulic pulsations.

Short Tie Rods
utilizing protected threads, yield long life and high reliability.

Large Piston Mass and Supporting Area
provides for positive alignment, transferring maximum energy and efficiency to the tool.

Air Check Valve
Contamination is reduced by air being drawn into the front head and expelled around the lower tool bushing.

Dual Retainer Pins
ensure positive tool alignment and easy tool replacement.

Deep Sectioned Front Head & Reinforced Mounting Plates
work together to withstand side loading, reduce tie rod problems, and protect cylinder body and rear head.

Hardened, Special Alloy Tool
Designed to balance the need for hardness and durability, accommodating a wide range of applications.

Simple Construction
Only two moving parts to ensure reliability and low maintenance.

Protected Auto-Lubrication Port

X-series shown

M-series 350-850 ft. lb. class hammers feature an integrated control valve, providing improved efficiency and blow energy.

The Right Tool for the Job



10306-ENG-0706



BREAKER TECHNOLOGY, INC.
an Astec company

TB SERIES Hydraulic Breakers

Simplicity of design, at work worldwide. . .

- **Construction**
- **Demolition**
- **Recycling**
- **Mining**
- **Quarrying**

The BTI hydraulic breaker design incorporates only two internal moving parts, offering reliability and long life. Each breaker has a wide range of oil flow allowing for mounting of the same breaker on a wide range of equipment, suiting a variety of applications.

With breakers available in twenty-one models from 350 to 13,500 ft. lb. class, you can be assured of finding just the right capabilities.



BREAKER TECHNOLOGY an Astec Industries Company

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Breaker Specifications

	Ft. lb. Class	Operating Weight		Flow Range		Pressure Range		Frequency Range	
		ft. lbs	lbs	kg	gpm	l/min	psi	bar	bpm
SMALL									
TB135ME	350	240	110	6-10	23-38	1,138-2,133	78-147	690-1,250	
TB245ME	550	405	185	9-13	33-38	1,400-2,150	98-147	725-1,060	
TB285ME	750	460	210	10-15	38-58	1,400-2,275	98-156	730-1,120	
TB285QA	750	495	225	10-15	38-58	1,400-2,275	98-156	730-1,120	
MEDIUM									
TB335ME	850	570	260	11-17	41-64	1,400-2,275	98-156	640-1,060	
TB335QA	850	605	275	11-17	41-64	1,400-2,275	98-156	640-1,060	
TB335X	850	735	334	11-17	41-64	1,400-2,275	98-156	640-1,060	
TB425ME	1,100	750	340	16-23	60-87	1,450-2,320	100-160	780-1,140	
TB425QA	1,100	820	372	16-23	60-87	1,450-2,320	100-160	780-1,140	
TB425X	1,100	996	452	16-23	60-87	1,450-2,320	100-160	780-1,140	
TB625QA	1,500	1,300	590	21-28	79-106	1,450-2,320	100-160	670-950	
TB625X	1,500	1,580	718	21-28	79-106	1,450-2,320	100-160	670-950	
TB725QA	2,000	1,850	840	25-32	94-121	1,885-2,680	130-185	640-825	
TB725X	2,000	2,350	1,070	25-32	94-121	1,885-2,680	130-185	640-825	
LARGE									
TB830X	3,000	2,490	1,130	32-39	121-150	1,740-2,540	120-175	587-728	
TB980X	4,500	4,100	1,865	45-57	170-215	2,030-2,755	140-190	475-731	
TB1280X	5,500	4,750	2,160	50-65	189-246	2,030-2,755	140-190	470-610	
TB1680X	7,500	5,635	2,560	55-67	208-255	2,030-2,755	140-190	455-560	
TB2080X	10,000	8,050	3,660	75-92	283-348	2,030-2,755	140-190	450-550	
TB2580X	13,500	10,870	4,940	90-110	340-416	2,030-2,755	140-190	435-533	

Flow and pressure ranges are for standard nitrogen pressure settings only. Please consult factory for flow and pressure ranges of non-standard nitrogen pressure settings.



AEM (CIMA) Ratings

Measured at:

	AEM (CIMA) Impact Energy		Oil Flow		Pressure		Frequency	
	ft. lbs	Joules	gpm	l/min	psi	bar	bpm	
SMALL								
TB135ME	170	230	9	35	2,146	148	1,040	
TB245ME	237	321	12	45	2,248	155	1,099	
TB285ME	335	455	14	53	2,175	150	983	
TB285QA	335	455	14	53	2,175	150	983	
MEDIUM								
TB335ME	365	495	15	58	2,320	160	1,063	
TB335QA	365	495	15	58	2,320	160	1,063	
TB335X	365	495	15	58	2,320	160	1,063	
TB425ME	509	690	21	80	2,262	156	1,043	
TB425QA	509	690	21	80	2,262	156	1,043	
TB425X	509	690	21	80	2,262	156	1,043	
TB625QA	817	1,108	26	99	2,349	162	899	
TB625X	817	1,108	26	99	2,349	162	899	
TB725QA	1,108	1,502	29	111	2,668	184	744	
TB725X	1,108	1,502	29	111	2,668	184	744	
LARGE								
TB830X	1,635	2,217	37	141	2,523	174	682	
TB980X	2,640	3,579	54	203	2,784	192	677	
TB1280X	3,459	4,691	60	228	2,769	191	565	
TB1680X	4,217	5,719	63	238	2,710	187	532	
TB2080X	5,338	7,306	83	316	2,650	183	505	
TB2580X	Pending	Pending	Pending	Pending	Pending	Pending	Pending	

Breaker Dimensions

	Overall Height	Tool Diameter		Working Length		Recommended Carrier Weight		
		in	mm	in	mm	lbs	kg	
		Diameter		Length		Weight		
SMALL								
TB135ME	44.5	1,130	2	50	11.5	292	2,000-8,000	900-3,600
TB245ME	50.5	1,281	2.3	58	13.4	340	3,300-13,250	1,500-6,000
TB285ME	54.1	1,375	2.5	64	13.1	333	5,000-16,000	2,270-7,200
TB285QA	60.4	1,534	2.5	64	13.1	333	6,000-17,500	2,700-7,950
MEDIUM								
TB335ME	57.2	1,454	3	75	15.9	405	8,000-20,000	3,600-9,100
TB335QA	64.3	1,634	3	75	15.9	405	8,000-20,000	3,600-9,100
TB335X	66.96	1,702	3	75	15.9	405	9,000-22,000	4,090-10,000
TB425ME	72.9	1,853	3.75	95	25.7	654	11,000-22,000	5,000-10,000
TB425QA	79.4	2,018	3.75	95	25.7	654	11,000-22,000	5,000-10,000
TB425X	79.4	2,018	3.75	95	25.7	654	13,000-25,000	5,900-11,300
TB625QA	81.9	2,079	3.75	95	25.2	639	13,500-26,000	6,100-11,800
TB625X	89.5	2,272	3.75	95	25.2	639	18,000-40,000	8,600-18,100
TB725QA	85.6	2,173	4.5	115	27.8	705	18,000-33,000	7,300-15,000
TB725X	99.4	2,524	4.5	115	27.8	705	22,000-44,000	10,000-20,000
LARGE								
TB830X	104.1	2,643	4.5	115	27.8	705	26,000-60,000	11,800-27,200
TB980X	122	3,100	5.3	135	32.2	819	40,000-80,000	17,200-40,000
TB1280X	124.4	3,159	5.5	140	31.5	799	42,000-90,000	19,000-43,000
TB1680X	129.2	3,282	5.75	146	31.3	795	55,000-106,000	25,000-48,000
TB2080X	149	3,784	6.3	160	37.8	960	75,000-140,000	34,000-68,000
TB2580X	161.1	4,092	7	175	40.6	1,031	99,000-180,000	44,840-81,720

All dimensions and specifications are approximate and subject to change without notice.



Breaker Sideplates

