

Heavy Range Hydraulic Breakers
Models V32, V46 SHD, V56 SHD
 for carriers from 40,000 to 130,000 lbs



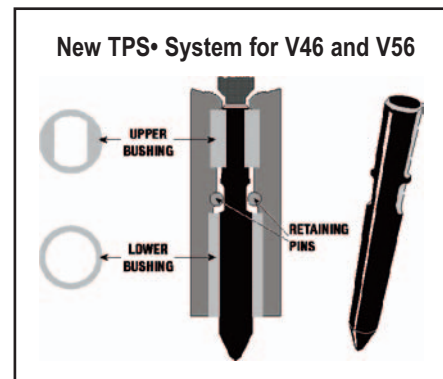
Heavy Range Hydraulic Breakers - Models V32, V46 SHD, V56 SHD

**TRAMAC's Heavy V-Series:
 variable-impact breakers
 with patented, fully
 automatic V-technology**



The unique patented design of Tramac's Heavy Range of V-Series breakers actually enables them to sense changes in hardness as material is processed and to adjust – automatically – to the optimum combination of impact power and striking rate. This audible change signals the operator to reduce carrier down-pressure, easing the pressure prior to breakthrough. Potentially damaging shock waves are prevented from travelling along the boom and throughout the excavator.

The Heavy V-Series is designed for breaking soft to hard materials—ranging from lightly reinforced to heavily reinforced concrete, and from highly fractured rock to unrelieved granites and basalts.



Patented TPS Tool Protection System lengthens tool life on large hammers

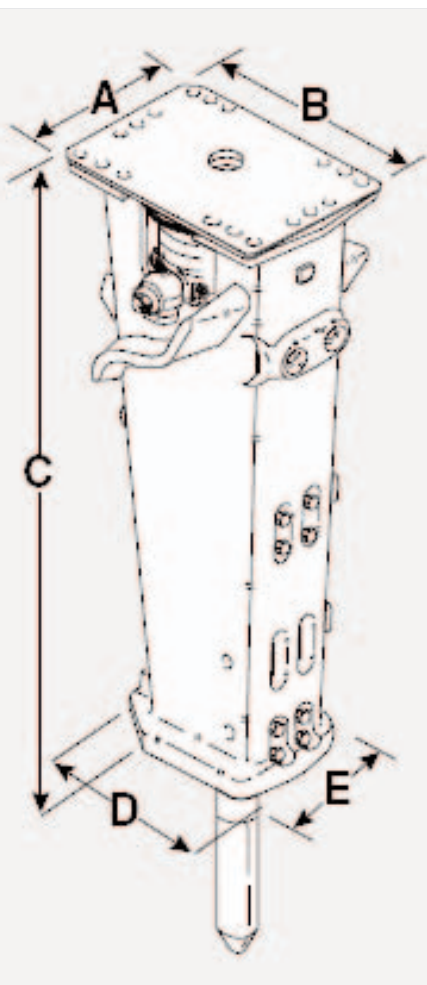
- re-engineered front guide, bushings, tool and retainer pins lets the strongest points take the stress... wear parts and tools last longer
- oversize bushings made

of specially formulated hard bronze which has a low coefficient of friction with steel—reduces friction and wear

- **Fully hydraulic operating principle—a Tramac signature**
 - The piston is both raised and driven hydraulically, with no gas activation or assistance as in other hammers
 - Excellent day-to-day reliability, less maintenance, and extended working life
 - **“Progressive Start” for better control**
 - start-up in low impact mode allows the operator to dig a small cavity to hold the tool in place as full impact power is applied
 - helps increase productivity
 - **Automatic lubrication**
 - Tramac's HammerLube System is standard
- Metro-silenced version available**
- Enclosed housing and soundproofing material absorbs noise



Specifications and Dimensions



Heavy Range V-Series Breaker Specifications		V32	V46 SHD	V56 SHD
Impact Class	<i>ft lbs</i>	5000	7500	12,000
ERV		yes	yes	yes
TPS		no	yes	yes
Striking Rate (BPM) at max. flow	<i>min/max</i>	285/1050	510/1160	440/1045
Recommended Carrier Weight	<i>US tons</i>	20-40	30-44	39-66
Flow Range	<i>gpm lpm</i>	32-45 120-170	48-70 180-265	63-84 240-320
Adjusted Breaker Pressure	<i>psi bar</i>	1950 135	2400 165	2400 165
Maximum Operating Pressure	<i>psi bar</i>	1950 135	2400 165	2400 165
Working Weight	<i>lbs kg</i>	3320 1506	5615 2547	7672 3480
Tool Diameter	<i>inches mm</i>	4.8 122	6 150	6.7 170
Overall Height w/tool & mounting bracket	<i>inches mm</i>	106 2700	122 3108	136 3465
A	<i>inches mm</i>	20 515	27,5 700	28 720
B	<i>inches mm</i>	28 720	29 740	35 880
C	<i>inches mm</i>	69 1740	82 2078	90 2281
D	<i>inches mm</i>	19.5 495	22 568	25 640
E	<i>inches mm</i>	13.4 340	14 360	16 416
Ø Hose, Supply and Return (I/D)	<i>inches</i>	1.25		
HP Connector Thread (I/D)	<i>Ø inches</i>	1.25 NPTF	1.25 SAE 6000 psi flange	
LP Connector Thread (I/D)	<i>Ø inches</i>	1.25 NPTF	1.25 SAE 6000 psi flange	

TRAMAC reserves the right to change or discontinue models and/or specifications without prior notice.

Dealer:

Quality and dependability: two features you can count on with every TRAMAC product.

All TRAMAC products are engineered for superior performance, manufactured to the most exacting specifications, and—within the guidelines of the industry's most rigid quality control program—thoroughly inspected at every stage of production. All working parts are precision-machined to the closest tolerances, and all materials meet or exceed the highest industry standards. These are but a few of the many vital reasons major contractors worldwide choose our products. *They know that with TRAMAC, reliability is crucial; a basic component conscientiously built into every unit that bears our name.*



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