

HEAVY-DUTY HAND BRAKES

HB
series



MODELS

HB48-12
HB73-16
HB97-18
HB97-16
HB97-12



Model HB97-16

TENNSMITH's heavy-duty hand brakes are designed and built for long service and accurate bending. Welded steel plate construction and heavy truss rods and braces provide strength and durability.

With much more substantial steel side plates than other domestically made units, these brakes have the rigidity required for upper beam adjustment without the use of wrenches.

Equipped with thrust bearings, the upper leaf adjustment screws permit quick, accurate alignment for different material thicknesses or radii.

Heavy-Duty Hand Brakes	HB48-12	HB73-16	HB97-18	HB97-16	HB97-12
Capacity, mild steel	12 gauge/2.7 mm	16 gauge/1.6 mm	18 gauge/1.25 mm	16 gauge/1.6 mm	12 gauge/2.7 mm
Bending length	49 in./1245 mm	73 in./1854 mm	97 in./2464 mm	97 in./2464 mm	97 in./2464 mm
Maximum lift of beam	1-7/8 in./47 mm	1-7/8 in./47 mm	1-7/8 in./47 mm	1-7/8 in./47 mm	2-1/4 in./57 mm
Front to rear beam adjustment	1/2 in./13 mm	1/2 in./13 mm	1/2 in./13 mm	1/2 in./13 mm	1/2 in./13 mm
Minimum reverse bend	1/4 in./6 mm	1/4 in./6 mm	1/4 in./6 mm	1/4 in./6 mm	1/4 in./6 mm
Minimum flange in capacity material	1 in./25 mm	1 in./25 mm	1 in./25 mm	1 in./25 mm	1 in./25 mm
Dimensions, counterweights in place, LxWxH	72 x 36 x 53 in. 1829 x 915 x 1346 mm	114 x 48 x 59-1/2 in. 2896 x 1220 x 1512 mm	138 x 48 x 59-1/2 in. 3506 x 1220 x 1512 mm	140 x 52 x 60 in. 3556 x 1321 x 1524 mm	145 x 54 x 63-1/2 in. 3683 x 1372 x 1613 mm
Shipping weight	1100 lbs./500 kg	1200 lbs./545 kg	1385 lbs./628 kg	1675 lbs./759.8 kg	2800 lbs./1273 kg



Model HB121-16

HEAVY-DUTY HAND BRAKES

MODELS
 HB 121-18
 HB 121-16
 HB 121-14
 HB 145-18

HB
 series



Other adjustment features include:

- Leveling screws and lock nuts on the pedestals
- Jack screws and tensioner bolts on the apron
- Truss rods on the apron, base and upper beam
- Fully adjustable counter balances to facilitate the bending process
- Replaceable nose bar and apron inserts

Removable apron angle and insert permit 1/4-inch reverse bends in lighter material.

Bored in line to ensure perfect alignment, the pivot points are fitted with oil impregnated bearings. The hinge pins are high-tensile, alloy steel.

Ductile steel clamp handles, heavy yokes, grease fittings and an apron stop rod complement the many other fine features of these heavy-duty brakes.

<i>Heavy-Duty Hand Brakes</i>	<i>HB121-18</i>	<i>HB121-16</i>	<i>HB121-14</i>	<i>HB145-18</i>
Capacity, mild steel	18 gauge/1.25 mm	16 gauge/1.6 mm	14 gauge/2.0 mm	18 gauge/1.25 mm
Bending length	121 in./3073 mm	121 in./3073 mm	121 in./3073 mm	145 in./3683 mm
Maximum lift of beam	1-7/8 in./47 mm	2-1/4 in./57 mm	2-1/4 in./57 mm	2-1/4 in./57 mm
Front to rear beam adjustment	1/2 in./13 mm	1/2 in./13 mm	1/2 in./13 mm	1/2 in./13 mm
Minimum reverse bend	1/4 in./6 mm	1/4 in./6 mm	1/4 in./6 mm	1/4 in./6 mm
Minimum flange in capacity material	1 in./25 mm	1 in./25 mm	1 in./25 mm	1 in./25 mm
Dimensions, counterweights in place, LxWxH	159 x 52 x 60 in. 4039 x 1321 x 1524 mm	161 x 53 x 59-1/2 in. 4090 x 1347 x 1512 mm	162 x 54 x 63-1/2 in. 4115 x 1372 x 1613 mm	185 x 53 x 59-1/2 in. 4700 x 1347 x 1512 mm
Shipping weight	2300 lbs./1043 kg	2875 lbs./1304 kg	3250 lbs./1477 kg	3400 lbs./1545 kg