



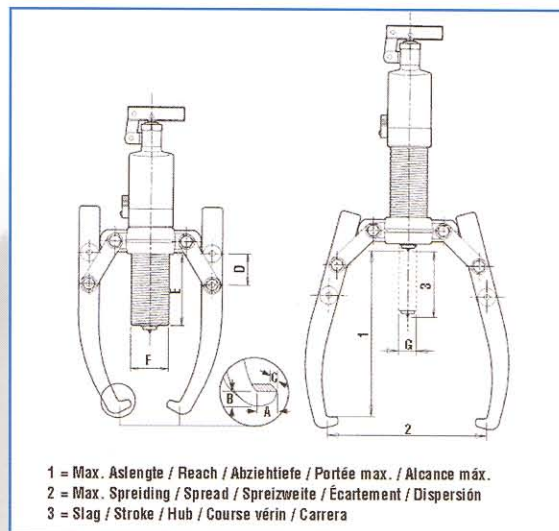
TECHNICAL DATA

Type	Art. nr.	Cap.tons	Max. shaft length mm	Max. spread mm	Stroke mm	A	B	C	D	E	F	G	Weight kg
HP 43 *	791000	4	185	275	60	11	6	22	32	84	42	22	4.5
HP 63 *	792000	6	230	300	85	11	10	25	51	122	50	25	6.5
HP 83 *	793000	8	230	350	85	11	10	25	51	122	50	25	6.5
HP 123 *	794000	12	270	375	85	14	10	29	51	118	60	28	8.0
HP 203**	796000	20	360	520	111	20	27	33	60	161	80	40	22.0
HP 303 **	797000	30	360	550	111	20	27	38	60	155	68	50	32.0
HP 503	-	50	In development!				* Incl. safety net ** incl. safety blanket						

ACCESSORY SETS FOR 4, 6, 8, 12 TON PULLERS

Puller block, connecting rods (legs), incl. set of bearing splitters for a min./max Ø 25-225 mm

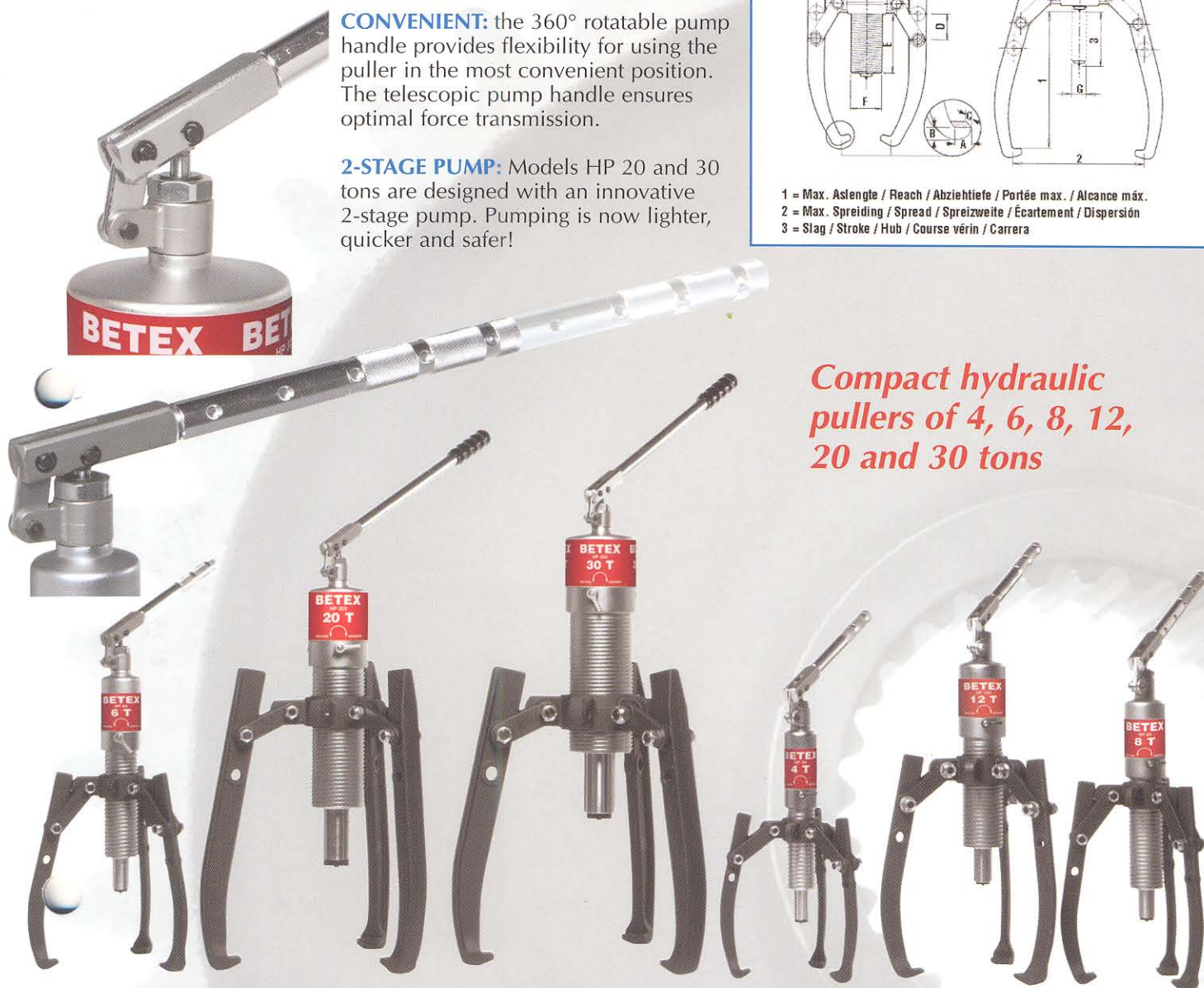
Type	Art. nr.	Shaft length mm	Min/max spread bearing splitter mm	Weight kg
Set HP 43	791100	250	Ø 25-110	8.5
Acc. Set HP 63	793100	280	Ø 50-150	12.5
Acc. Set HP 83	793100	280	Ø 50-150	12.5
Acc. Set HP 123	794100	325	Ø 80-225	18.0



CONVENIENT: the 360° rotatable pump handle provides flexibility for using the puller in the most convenient position. The telescopic pump handle ensures optimal force transmission.

2-STAGE PUMP: Models HP 20 and 30 tons are designed with an innovative 2-stage pump. Pumping is now lighter, quicker and safer!

Compact hydraulic pullers of 4, 6, 8, 12, 20 and 30 tons



MOBILE HYDRAULIC PULLERS FOR HEAVY DUTY: FROM 25 TO 100 TONS!



Mobipuller, 25 or 50 tons cap. ▲
Enforcer, 100 tons cap. (2 arm) ▲
Enforcer, 55 tons cap. (3 arm) ▲



NEW! MECHANICAL 3-ARM PULLERS

PRACTICAL! Self centering three arm puller with self-locking system.

SAFE! The three arms adjust themselves simultaneously and symmetrically, inwards or outwards. Self-locking system guarantees that arms will not bend or deflect.

STRONG! The harder the force, the tighter the grip of the jaws.

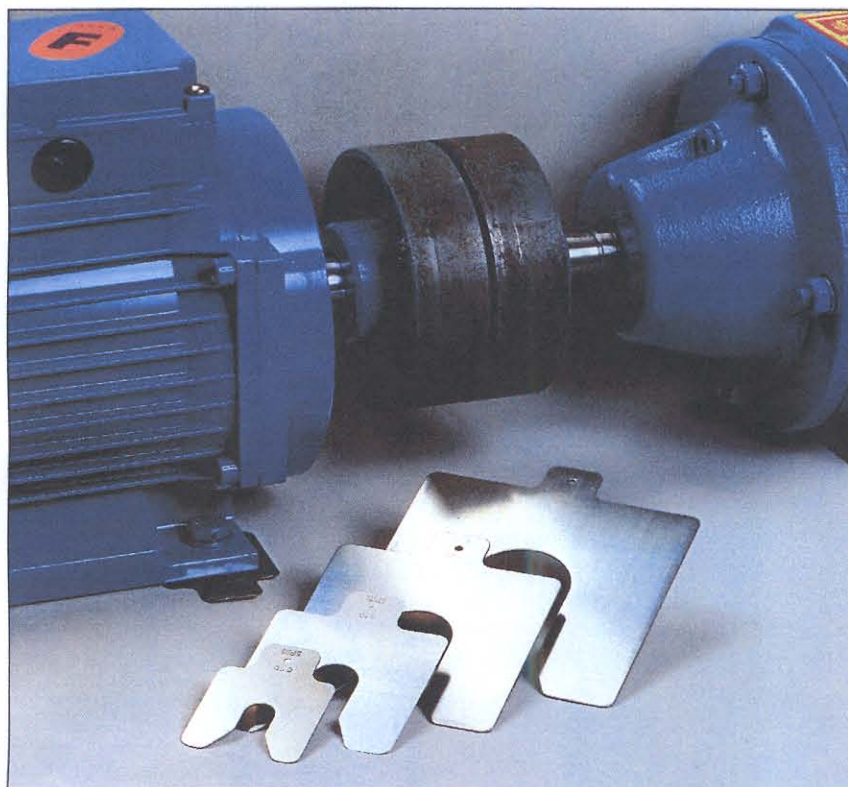
Type	Min/max reach mm	Min/max spread mm	Max. cap. tons	Weight kg
MP 110	40/75	30/110	2	1,5
MP 250	120/160	60/260	4	4,0
MP 370	140/230	100/370	6	9,0

THE COMPLETE RANGE OF TOOLS FOR MOUNTING, DISMOUNTING AND CHECKING OF ROTATING EQUIPMENT, IN MAINTENANCE AND PRODUCTION



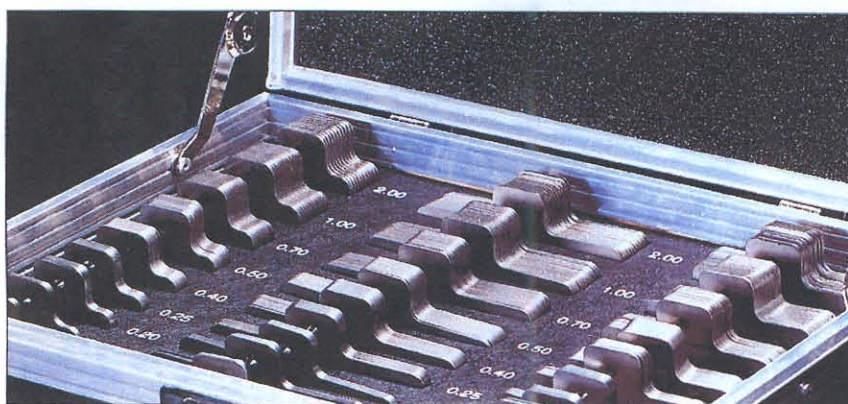
BETEX

SHIMS



SOLID STAINLESS STEEL SHIMS

- Available in 6 different sizes and 11 thicknesses!
- Packed in sets of 10 shims
- High-quality, non-corroding material
- The shim's thickness is etched on each shim.
- Suitable for re-use
- 9 standard combinations in handy carrying cases

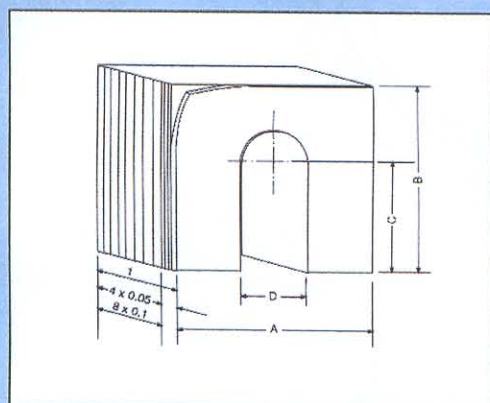


PRE-CUT SHIMS FOR FAST, SIMPLE AND PRECISE MACHINE ALIGNMENT

THE BENEFITS:

- ✓ **Save time and money!**
You have the right size available for immediate use
- ✓ **Safe and efficient!**
The shims have been smoothed and have no burrs
- ✓ **Precision work!**
Precise machine alignment helps you get the best machine performance
- ✓ **Stock control!**
Stock control is now simpler and easier to verify

MANY SIZES AVAILABLE FOR PRACTICALLY EVERY TYPE OF MACHINE



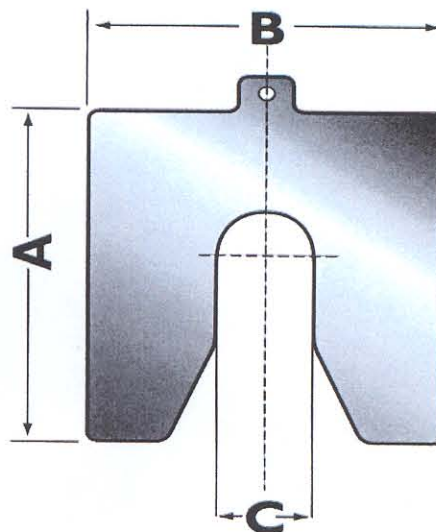
LAMINATED PEEL-OFF SHIMS IN HARD BRASS

- The peel-off shims are 1 mm thick and are available in 5 sizes. They consist of 12 peel-off layers (8x0.1 mm and 4x0.05 mm).
- They always fit! Simply peel off until the right thickness is obtained.

SOLID (STAINLESS STEEL BS 1449 PT2 1981 304 S15)

Sizes of solid shims

	Art.no.	package	A	B	C	thickness	bolt size
MINI	B-035-005Mn	10	35mm	30mm	9mm	0.05mm	M8
	B-035-010Mp	10	35mm	30mm	9mm	0.10mm	M8
	B-035-020Mr	10	35mm	30mm	9mm	0.20mm	M8
	B-035-025Ms	10	35mm	30mm	9mm	0.25mm	M8
	B-035-040Mt	10	35mm	30mm	9mm	0.40mm	M8
	B-035-050Mu	10	35mm	30mm	9mm	0.50mm	M8
	B-035-070Mv	10	35mm	30mm	9mm	0.70mm	M8
	B-035-100Mw	10	35mm	30mm	9mm	1.00mm	M8
	B-050-0025Ak	10	50mm	50mm	13mm	0.025mm	M12
	B-050-005An	10	50mm	50mm	13mm	0.05mm	M12
A	B-050-010Ap	10	50mm	50mm	13mm	0.10mm	M12
	B-050-020Ar	10	50mm	50mm	13mm	0.20mm	M12
	B-050-025As	10	50mm	50mm	13mm	0.25mm	M12
	B-050-040At	10	50mm	50mm	13mm	0.40mm	M12
	B-050-050Au	10	50mm	50mm	13mm	0.50mm	M12
	B-050-070Av	10	50mm	50mm	13mm	0.70mm	M12
	B-050-100Aw	10	50mm	50mm	13mm	1.00mm	M12
	B-050-200Ax	10	50mm	50mm	13mm	2.00mm	M12
	B-050-300Ay	10	50mm	50mm	13mm	3.00mm	M12
	B-075-0025Bk	10	75mm	75mm	21mm	0.025mm	M18
B	B-075-005Bn	10	75mm	75mm	21mm	0.05mm	M18
	B-075-010Bp	10	75mm	75mm	21mm	0.10mm	M18
	B-075-020Br	10	75mm	75mm	21mm	0.20mm	M18
	B-075-025Bs	10	75mm	75mm	21mm	0.25mm	M18
	B-075-040Bt	10	75mm	75mm	21mm	0.40mm	M18
	B-075-050Bu	10	75mm	75mm	21mm	0.50mm	M18
	B-075-070Bv	10	75mm	75mm	21mm	0.70mm	M18
	B-075-100Bw	10	75mm	75mm	21mm	1.00mm	M18
	B-075-200Bx	10	75mm	75mm	21mm	2.00mm	M18
	B-075-300By	10	75mm	75mm	21mm	3.00mm	M18
C	B-100-0025Ck	10	100mm	100mm	32mm	0.025mm	M27
	B-100-005Cn	10	100mm	100mm	32mm	0.05mm	M27
	B-100-010Cp	10	100mm	100mm	32mm	0.10mm	M27
	B-100-020Cr	10	100mm	100mm	32mm	0.20mm	M27
	B-100-025Cs	10	100mm	100mm	32mm	0.25mm	M27
	B-100-040Ct	10	100mm	100mm	32mm	0.40mm	M27
	B-100-050Cu	10	100mm	100mm	32mm	0.50mm	M27
	B-100-070Cv	10	100mm	100mm	32mm	0.70mm	M27
	B-100-100Cw	10	100mm	100mm	32mm	1.00mm	M27
	B-100-200Cx	10	100mm	100mm	32mm	2.00mm	M27
D	B-100-300Cy	10	100mm	100mm	32mm	3.00mm	M27
	B-125-0025Dk	10	125mm	125mm	45mm	0.025mm	M36
	B-125-005Dn	10	125mm	125mm	45mm	0.05mm	M36
	B-125-010Dp	10	125mm	125mm	45mm	0.10mm	M36
	B-125-020Dr	10	125mm	125mm	45mm	0.20mm	M36
	B-125-025Ds	10	125mm	125mm	45mm	0.25mm	M36
	B-125-040Dt	10	125mm	125mm	45mm	0.40mm	M36
	B-125-050Du	10	125mm	125mm	45mm	0.50mm	M36
	B-125-070Dv	10	125mm	125mm	45mm	0.70mm	M36
	B-125-100Dw	10	125mm	125mm	45mm	1.00mm	M36
E	B-125-200Dx	10	125mm	125mm	45mm	2.00mm	M36
	B-125-300Dy	10	125mm	125mm	45mm	3.00mm	M36
	B-200-005En	10	200mm	200mm	55mm	0.05mm	M52
	B-200-010Ep	10	200mm	200mm	55mm	0.10mm	M52
	B-200-020Er	10	200mm	200mm	55mm	0.20mm	M52
	B-200-025Es	10	200mm	200mm	55mm	0.25mm	M52
	B-200-040Et	10	200mm	200mm	55mm	0.40mm	M52
	B-200-050Eu	10	200mm	200mm	55mm	0.50mm	M52
	B-200-070Ev	10	200mm	200mm	55mm	0.70mm	M52
	B-200-100Ew	10	200mm	200mm	55mm	1.00mm	M52
	B-200-200Ex	10	200mm	200mm	55mm	2.00mm	M52
	B-200-300Ey	10	200mm	200mm	55mm	3.00mm	M52



PEEL-OFF (HARD BRASS SHIMS) MS-63

Sizes of peel-off shims

Art.no.	package	size	bolt size
812501	10	40x40mm	M10
812502	10	50x50mm	M14
812503	10	70x70mm	M16
812504	10	100x100mm	M24
812505	10	130x130mm	M32

9 standard combinations in handy case (other sizes available on request)

Case	ABCD 10/9	ABC 10/9	ABC 10/11	ABC 20/11	AB 10/9	BC 10/9	ABCD 10/11	CD 10/9	E 10/10
Art.no.	B020019	B020110	B020100	B020130	B020210	B020310	B020030	B020410	B020600
Thickness									
0.025	-	-	10	20	-	-	10	-	-
0.05	10	10	10	20	10	10	10	10	10
0.10	10	10	10	20	10	10	10	10	10
0.20	10	10	10	20	10	10	10	10	10
0.25	10	10	10	20	10	10	10	10	10
0.40	10	10	10	20	10	10	10	10	10
0.50	10	10	10	20	10	10	10	10	10
0.70	10	10	10	20	10	10	10	10	10
1.00	10	10	10	10	10	10	10	10	10
2.00	10	10	5	5	10	10	5	10	5
3.00	-	-	5	5	-	-	5	-	5
Total	360	270	300	540	180	180	400	180	90



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