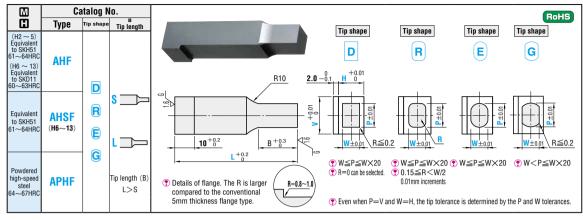
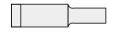
BLOCK PUNCHES (FOR HEAVY LOAD) -FLANGE THICKNESS 10mm·SINGLE FLANGE—



Catalog No.			V Pmin:	3	4	5	6	8	10	13	16	20	22	25	28	30		I	3	
Туре	Tip shape	B Tip length	H\	Vmin.	1.5	2.0	2.5	3.0	3.0	4.0	5.0	7.0	8.0	9.0	10.0	12.0	12.0	L	Д	
			(2)	1.0	0	0	0	0	0	0	0									
AHF	D S	S	(3)	1.0	0	0	0	0	0	0	0	0	0	0				-	6	8
АПГ			(4)	1.0		0	0	0	0	0	0	0	0	0				50		
AHSF	R		5	1.2			0	0	0	0	0	0	0	0	0	0	0	60		
(H6∼13)	E	L	6	1.5				0	0	0	0	0	0	0	0	0	0	70	8	13
APHF			8	2.0					0	0	0	0	0	0	0	0	0	80		
AFIIF	G		10	2.5						0	0	0	0	0	0	0	0		13	19
			13	3.0							0	0	0	0	0	0	0		13	19
\P H(2) (3) (4) \cdots L50 \sim 70 If H dimension is (2), (3), or (4), full length L is within a range of 50 \sim 70.																				



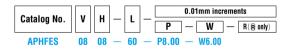
■The flange position is fixed. (F need not be specified.)





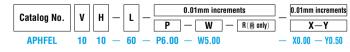
(1) If tip is at center of shank





(2) If tip is not at center of shank





X and Y must be set either to 0
or to 0.02 or more.
Tolerance±0.01



423

■Features

These block punches have greater flange strength than ordinary block punches. Use them for punching of heavy loads or high-tensile steels where punch flanges are prone to damage.

Comparison of flange dir		Units: mm			
Туре	Thickness	Width	Base R		
Ordinary type	5	1.5	0.3 or less		
Flange thickness 10mm type	10	2.0	0.8~1.0		

			APHFES 10 10 - LC58.5	- P8.00 - W6.00	- HU1.5					
	Alteration	Code	Sp	1Code						
		PC WC	Tip dimension change PC≥V×0.3≥1.00 WC≥H×0.15≥0.50 0.01mm increments	W (WC) Bmax. 0.50~0.99 4 1.00~1.19 8 1.20~1.99 13						
Alterations to tip	B	ВС	Tip length change 2≤BC≤Bmax. 0.1mm increments (Full length (L) must than tip length (BC)							
Alteratio	0.16 GL	SC	Lapping of tip ① W≥2.00 ② P dimension tolerance and increment remain the same. ⊗ R=0 cannot be selected for the tip ☑ corner.							
	wo De	PKC	Tip tolerance change P⋅W±0.01⇔ +0.01							
	<u>wu = = </u>	PKV	Tip tolerance change P⋅W±0.01⇔±0.005							
Alterations to full length	LC	LC	Full length change 36+B (BC) ≤ LC < L 0.1mm increments (If combined with LKC-LKZ, 0.01mm increments can be selected.) ③ If difference between full length (LC) and tip length (B) is 36mm or less, tip length is adjusted to (Full length—36).							
Iterations		LKC LKZ	Full length tolerance $L \stackrel{+0.2}{=} \circlearrowleft_0^{+0.05}$ change $L \stackrel{+0.2}{=} \circlearrowleft_0^{+0.05}$ tolerance $L \stackrel{+0.2}{=} \circlearrowleft_0^{+0.01}$							
_	F-3-1	нс	change Flange width change 1.0≤HC<2.0 0.1mm increments		notati					
lange	T TC	TC	Flange thickness change 5≦TC<10 0.1mm increments (If combined with TKC, 0.01mm increments can be selected.) ③ Full length L is shortened by (10—TC). If combined with LC, full length is equal to LC.							
ns to f	R	RE	Flange R change $R=0.8\sim 1.0 \Leftrightarrow R \leq 0.3$							
Alterations to flange	15°	FK	Relief chamfering to flange top edge Flange edge is chamfered to prevent flange breakage.							
	_T0	TKC	Flange tolerance T +0.2 change	€ ⇒ +0.02						
		TKM	Flange tolerance $\begin{array}{ccc} \text{Flange tolerance} & \text{T} & {+0.2} & \circlearrowleft & 0 \\ \text{change} & \text{T} & 0 & \circlearrowleft & -0.02 \end{array}$							
o shape	<u>4−00.5</u>	CC	Chamfering to four corners of shank The four corners of shank are chamfered to C0.5. The distanc between shank corners and the tip must be 0.5mm or more. © Chamfering of the flange		i.					
Alterations to shape		VKC		-0.01 \Rightarrow +0.005 0						
		VKM	change	·0.01 ⇔ 0 0 −0.005						
	HO	VHM	Shank tolerance change $V \cdot H \stackrel{+0.01}{\circ} \Rightarrow \stackrel{0}{\circ} -0.01$							
		VHZ	Shank tolerance change $V \cdot H \stackrel{+0.01}{_{0}} \Leftrightarrow \pm 0.005$							

| Catalog No. | V | H - L(LC) - | P(PC) - W(WC) - R - | X - Y | - (BC-PKC, etc.)

424