



ESHT - ESH	
<b>M</b>	SKH51
<b>H</b>	58 ~ 60HRC

T	Tolerance
4mm	$\begin{matrix} 0 \\ -0.02 \end{matrix}$
6 - 8mm	$\begin{matrix} 0 \\ -0.02 \end{matrix}$

LC	L
$\begin{matrix} +0.02 \\ 0 \end{matrix}$	$\begin{matrix} +5 \\ +0.1 \end{matrix}$
$LC > 200 \rightarrow \begin{matrix} +0.05 \\ 0 \end{matrix}$	
$LC > 500 \rightarrow \begin{matrix} +0.5 \\ 0 \end{matrix}$	

4mm head		JIS head		TYPE		D	P 0.01mm increments	L or LC		N 1mm increments
H	T	H	T	4mm head	JIS head			L → 1mm increments	LC → 0.01mm increments	
—	—	3	—	—	—	1	0.40 ~ 0.90	40 ~ 100	$\begin{matrix} N \geq 15 \\ \text{and} \\ 15 \leq (L-N) \leq 150 \end{matrix}$	
—	—	4	4				0.60 ~ 0.90	40 ~ 150		
—	—	5	—				1.5	0.60 ~ 1.40		40 ~ 200
—	—	6	—				2	0.80 ~ 1.90		40 ~ 250
—	—	7	—				2.5	0.80 ~ 2.40		40 ~ 300
—	—	7	—				3	1.00 ~ 2.90		40 ~ 300
7	4	8	6	ESH	ESH	4	1.50 ~ 3.90	40 ~ 300	$\begin{matrix} N \geq 15 \\ \text{and} \\ 20 \leq (L-N) \leq 200 \end{matrix}$	
8		4.5					2.50 ~ 4.40	40 ~ 350		
9		5					3.00 ~ 4.90	40 ~ 350		
10		5.5					3.50 ~ 5.40	40 ~ 350		
11		6					4.00 ~ 5.90	40 ~ 350		
15		6.5					4.50 ~ 6.40	40 ~ 350		
17		7	4.90 ~ 6.90				40 ~ 350			
—		8	8				5.90 ~ 7.90	40 ~ 350		
—		15	10				7.90 ~ 9.90	40 ~ 350		
—		17	12				8.90 ~ 11.90	40 ~ 350		



Order Example

TYPE	D	P	L(LC)	N
ESHT	- D6	- P5.53	- LC180.5	- N55
ESH	- D8	- P6.30	- LC100	- N70

Alterations	Code	Spec.
	<b>KC</b>	Single flat cutting $P/2 \leq KC < H/2$
	<b>WKC</b>	Two flats cutting $P/2 \leq WKC < H/2$
	<b>KAC</b> <b>KBC</b>	Varied width parallel flats cutting $P/2 \leq KAC < H/2$ KBC = 0.1mm increments only $KAC < KBC < H/2$
	<b>RKC</b>	Two flats (right angled) cutting $P/2 \leq RKC < H/2$
	<b>DKC</b>	Three flats cutting $P/2 \leq DKC < H/2$
	<b>SKC</b>	Four flats cutting $P/2 \leq SKC < H/2$
	<b>KGC</b>	Two flats (angled) cutting $P/2 \leq KGC < H/2$ AG = 1° increments $0 \leq AG < 360$
	<b>KTC</b>	Three flats cutting at 120° $P/2 \leq KTC < H/2$
	<b>HC</b>	HC = 0.1mm increments $P+1 \leq HC < H, P \geq 1.5$
	<b>TC</b>	TC = 0.1mm increments $T/2 \leq TC < T, P \geq 1.5$ Dimension L becomes shorter by (T-TC)
	<b>NC</b>	Dowel hole boring Available when $H \geq 4$

About Designation Unit for Key Flat Cutting

(1)  
To align the key flat with the shaft diameter  
**Unit of designation**  
0.05mm increments possible

(2)  
To designate arbitrary key flat dimensions  
**Unit of designation**  
0.1mm

T	d	ℓ
4	2	3
6	3	5
8		