

Type: ERN · ERNT

SKD61 +Nitrided

Surface: 900HV~ Base Materials: 40~45HRC

Type: ERD · ERDT

SKD61 +Nitrided

Surface: 900HV~ Base Materials: 48~52HRC

L and LC Tolerance

L	+5 +0.1
LC	+0.02 0 LC > 200 → +0.05 0

4mm head		JIS head		Type		D	P 0.01mm increments	W 0.01mm increments	L or LC L → 1mm increments LC → 0.01mm increments	Kmax.	N 1mm increments	Nmin.		
H	T	H	T	4mm head	JIS head									
—	—	3	—	—	—	1.5	0.50~ 1.30	0.30~	40.00~250.00	1.4	10 ≤ (L-N) ≤ 250	23		
—	—	4	4	—	—	2	0.80~ 1.80		40.00~300.00	1.9				
—	—	5	—	—	—	2.5	0.80~ 2.30		40.00~350.00	2.4				
—	—	6	—	—	—	3	0.80~ 2.80		40.00~350.00	2.9				
—	—	7	—	—	—	3.5	1.00~ 3.30		40.00~350.00	3.4				
7	—	8	—	—	—	4	1.00~ 3.80	0.40~	40.00~350.00	3.9	10 ≤ (L-N) ≤ 250	29		
8	—	9	6	—	—	4.5	1.20~ 4.30		40.00~350.00	4.4				
9	—	10	—	—	—	5	1.50~ 4.80	0.50~	50.00~350.00	4.9			10 ≤ (L-N) ≤ 250	31
9	—	11	—	—	—	5.5	1.80~ 5.30		50.00~350.00	5.4				
10	4	12	—	—	—	6	2.00~ 5.80	0.50~	50.00~350.00	5.9				
10	—	13	—	—	—	6.5	2.00~ 6.30		50.00~350.00	6.4				
11	—	14	—	—	—	7	2.30~ 6.80	0.50~	50.00~350.00	6.9	10 ≤ (L-N) ≤ 250	40		
11	—	15	—	—	—	7.5	2.30~ 7.80		50.00~350.00	7.4				
14	—	16	—	—	—	8	2.30~ 8.30	0.80~	50.00~350.00	7.9			10 ≤ (L-N) ≤ 250	40
14	—	17	—	—	—	8.5	2.30~ 8.30		50.00~350.00	8.4				
15	—	18	—	—	—	9	3.00~ 9.80	0.80~	50.00~350.00	8.9				
15	—	19	—	—	—	9.5	3.00~ 10.30		50.00~350.00	9.4				
17	—	20	—	—	—	10	3.50~ 11.80	0.80~	50.00~350.00	9.9	10 ≤ (L-N) ≤ 250	40		
17	—	21	—	—	—	10.5	3.50~ 11.80		50.00~350.00	10.4				
—	—	22	—	—	—	11	—	0.80~	50.00~350.00	10.9			10 ≤ (L-N) ≤ 250	40
—	—	23	—	—	—	11.5	—	0.80~	50.00~350.00	11.4				
—	—	24	—	—	—	12	—	0.80~	50.00~350.00	11.9			10 ≤ (L-N) ≤ 250	40

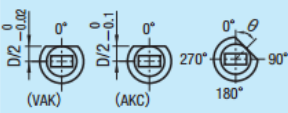
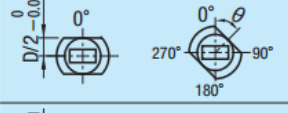
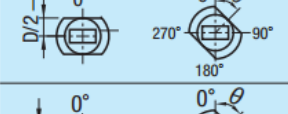

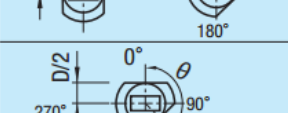
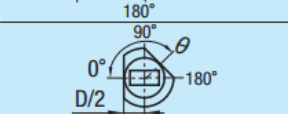
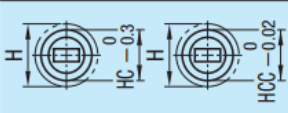
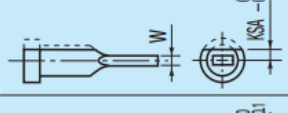
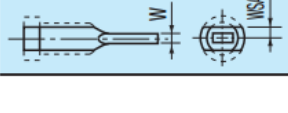



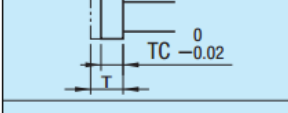
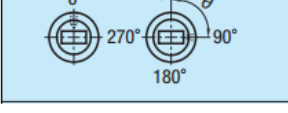
Type - D - P - W - L(LC) - N
 ERDT - D8 - P2.50 - W0.85 - L180 - N50
 ERN - D6 - P3.00 - W1.50 - LC165.50 - N45



Alterations


Type - D - P - W - L(LC) - N - (VAK · AKC.....etc.)
ERD - D6 - P3.50 - W1.20 - L165 - N50 - VAK

Alterations	Code	Spec.
	VAK (precision) AKC	VAK=45° increments AKC=1° increments 0 ≤ VAK or AKC < 360 (VAK) KSA, WSA not available (AKC) When combined with KSA/WSA, 90° increments only.
	VAW	VAW=45° increments 0 ≤ VAW < 360 Combination with KSA/WSA not available.
	AWC	AWC=1° increments 0 ≤ AWC < 360 When combined with KSA/WSA, 90° increments only.
	ARC	ARC=1° increments 0 ≤ ARC < 360 When combined with KSA/WSA, 90° increments only.
	ADC	ADC=1° increments 0 ≤ ADC < 360 When combined with KSA/WSA, 90° increments only.
	KGA	KGA=1° increments 0 < KGA < 360
	KGD	KGD=1° increments 0 < KGD < 360
	HC HCC (precision)	HC, HCC=0.1mm increments (HC) $D+1 \leq HC < H, D \geq 1.5$ (HCC) $D+1 \leq HCC < H-0.3, D \geq 1.5$
	KSA	KSA=0.1mm increments $W/2+0.1 \leq KSA \leq D/2-0.1$ $D \geq 1.5$
	WSA	WSA=0.1mm increments $W/2+0.1 \leq WSA \leq D/2-0.1$ $D \geq 1.5$

Alterations	Code	Spec.
	TC	TC=0.1mm increments $T/2 \leq TC < T$ (Dimensions L and N remain unchanged.) $T-TC \leq L_{max}, L, D \geq 1.5$
	NC	Dowel hole boring NC=90° increments Available when $H \geq 4$