

超硬キー溝・エア穴付パンチ

—ノーマル・ラップ仕上げ—



ラップ仕上げ

P.1725

—ノーマル—	シャック径 D公差	材質 硬度	型式		刃先形状 B 刃先長さ	刃先形状は下記A D R E Gより選択
			Type	刃先形状		
	D _{m5}	V30 (HIP) 88 ~ 89HRA	WJK			
		超微粒子 (HIP) 90 ~ 92HRA	WXJK (D4 ~ 6)			
	D ^{+0.005} ₀	V30 (HIP) 88 ~ 89HRA	A-WJK			
		超微粒子 (HIP) 90 ~ 92HRA	A-WXJK (D4 ~ 6)			
シャック径公差D _{m5} はm5 ^{+0.005} ₀ 選択	D _{m5}	V30 (HIP) 88 ~ 89HRA	L-WJK			
		超微粒子 (HIP) 90 ~ 92HRA	L-WXJK (D4 ~ 6)			
	D ^{+0.005} ₀	V30 (HIP) 88 ~ 89HRA	AL-WJK			
		超微粒子 (HIP) 90 ~ 92HRA	AL-WXJK (D4 ~ 6)			
シャック径公差D _{m5} はm5 ^{+0.005} ₀ 選択	D _{m5}	V30 (HIP) 88 ~ 89HRA	L-WJK			
		超微粒子 (HIP) 90 ~ 92HRA	L-WXJK (D4 ~ 6)			
	D ^{+0.005} ₀	V30 (HIP) 88 ~ 89HRA	AL-WJK			
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シャック径公差D _{m5} はm5 ^{+0.005} ₀ 選択	D _{m5}	V30 (HIP) 88 ~ 89HRA	L-WJK			
		超微粒子 (HIP) 90 ~ 92HRA	L-WXJK (D4 ~ 6)			
	D ^{+0.005} ₀	V30 (HIP) 88 ~ 89HRA	AL-WJK			
		超微粒子 (HIP) 90 ~ 92HRA	AL-WXJK (D4 ~ 6)			

Alterations
追加工
 型式 — L(LC・LCX・LCT) — P(PC) — W(WC) — R — T — (BC・KC・KD…etc.)
 A-WJKEL16 — LC65.5 — P12.00 — W6.00 — T20 — PKC

追加工	記号	刃先形状	
		A	D R E G
	PC	刃先寸法変更 PC≥PCmin. 指定0.001mm単位	刃先寸法変更 PC≥PC-WCmin. 指定0.01mm単位 (PKC併用の場合 0.001mm単位指定可)
	WC	刃先寸法変更 WC≥WCmin. 指定0.01mm単位 (PKC併用の場合 0.001mm単位指定可)	刃先寸法変更 WC≥WCmin. 指定0.01mm単位 (PKC併用の場合 0.001mm単位指定可)
	BC	刃先長さ変更 2≤BC<B 指定0.1mm単位	刃先長さ変更 2≤BC<B 指定0.1mm単位
	PRC	刃先側端面R加工 0.3≤PRC≤1 指定0.1mm単位 ①PRC≤(P-d1-0.5)/2 ②PRC併用不可	刃先側端面R加工 0.3≤PRC≤1 指定0.1mm単位 ①PRC≤(P-d1-0.5)/2 ②PRC併用不可
	PCC	刃先側端面C面取り加工 0.3≤PCC≤1 指定0.1mm単位 ①PCC≤(P-d1-0.5)/2 ②PCC併用不可	刃先側端面C面取り加工 0.3≤PCC≤1 指定0.1mm単位 ①PCC≤(P-d1-0.5)/2 ②PCC併用不可
	PKC	刃先公差変更 P ^{+0.005} ₀ ⇨ ^{+0.003} ₀	刃先公差変更 (P-W寸法0.001mm単位指定可) P-W ^{+0.01} ₀ ⇨ ^{+0.005} ₀
	PKV	刃先公差変更 P ^{+0.005} ₀ ⇨ ±0.002 ①寸法指定単位は変わりません。	刃先公差変更 P-W ^{+0.01} ₀ ⇨ ±0.005 ①寸法指定単位は変わりません。
	LC	全長変更 LC<L 指定0.1mm単位 (LK・LKZ併用の場合、0.01mm単位指定可) ①B寸法とS寸法は(L-LC)分短くなります。	全長変更 LC<L 指定0.1mm単位 (LK・LKZ併用の場合、0.01mm単位指定可) ①B寸法とS寸法は(L-LC)分短くなります。
	LCX	刃先長さBを変えず 全長変更 25+B(BC)≤LCX<L 指定0.1mm単位 ①全長-刃先長さが25mm 以下の場合、刃先長さは 全長-25mmになります。	刃先長さBを変えず 全長変更 30+B(BC)≤LCX<L 指定0.1mm単位 ①全長-刃先長さが30mm 以下の場合、刃先長さは 全長-30mmになります。
	LCT	T寸法公差・全長変更を1つのコードで加工します。 指定範囲、指定単位、注文方法、注意事項(①)はLCと同様	T寸法公差・全長変更を1つのコードで加工します。 指定範囲、指定単位、注文方法、注意事項(①)はLCと同様
	TKC	刃先公差変更 T ^{+0.05} ₀ ⇨ ⁰ _{-0.02}	刃先公差変更 T ^{+0.05} ₀ ⇨ ⁰ _{-0.02}
	LC	刃先公差変更 L ^{+0.3} ₀ ⇨ ^{+0.1} ₀	刃先公差変更 L ^{+0.3} ₀ ⇨ ^{+0.1} ₀

追加工	記号	刃先形状	
		A	D R E G
	LKC	全長公差変更 L ^{+0.3} ₀ ⇨ ^{+0.05} ₀ (LC併用の場合、L寸法0.01mm単位指定可)	全長公差変更 L ^{+0.3} ₀ ⇨ ^{+0.05} ₀ (LC併用の場合、L寸法0.01mm単位指定可)
	LKZ	全長公差変更 L ^{+0.3} ₀ ⇨ ^{+0.01} ₀ (LC併用の場合、L寸法0.01mm単位指定可)	全長公差変更 L ^{+0.3} ₀ ⇨ ^{+0.01} ₀ (LC併用の場合、L寸法0.01mm単位指定可)
	KC	——	① 90° 180° ② 270° 360° ③ 45° 90° ④ 135° 225° ⑤ 180° 270° ⑥ 225° 315° ⑦ 270° 360° ⑧ 315° 405° ⑨ 360° 450° ⑩ 405° 540° ⑪ 450° 540° ⑫ 540° 630° ⑬ 630° 720° ⑭ 720° 810° ⑮ 810° 900° ⑯ 900° 990° ⑰ 990° 1080° ⑱ 1080° 1170° ⑲ 1170° 1260° ⑳ 1260° 1350° ㉑ 1350° 1440° ㉒ 1440° 1530° ㉓ 1530° 1620° ㉔ 1620° 1710° ㉕ 1710° 1800° ① 1800° 1890° ② 1890° 1980° ③ 1980° 2070° ④ 2070° 2160° ⑤ 2160° 2250° ⑥ 2250° 2340° ⑦ 2340° 2430° ⑧ 2430° 2520° ⑨ 2520° 2610° ⑩ 2610° 2700° ⑪ 2700° 2790° ⑫ 2790° 2880° ⑬ 2880° 2970° ⑭ 2970° 3060° ⑮ 3060° 3150° ⑯ 3150° 3240° ⑰ 3240° 3330° ⑱ 3330° 3420° ⑲ 3420° 3510° ⑳ 3510° 3600° ㉑ 3600° 3690° ㉒ 3690° 3780° ㉓ 3780° 3870° ㉔ 3870° 3960° ㉕ 3960° 4050° ㉖ 4050° 4140° ㉗ 4140° 4230° ㉘ 4230° 4320° ㉙ 4320° 4410° ㉚ 4410° 4500° ㉛ 4500° 4590° ㉜ 4590° 4680° ㉝ 4680° 4770° ㉞ 4770° 4860° ㉟ 4860° 4950° ㊱ 4950° 5040° ㊲ 5040° 5130° ㊳ 5130° 5220° ㊴ 5220° 5310° ㊵ 5310° 5400° ㊶ 5400° 5490° ㊷ 5490° 5580° ㊸ 5580° 5670° ㊹ 5670° 5760° ㊺ 5760° 5850° ㊻ 5850° 5940° ㊼ 5940° 6030° ㊽ 6030° 6120° ㊾ 6120° 6210° ㊿ 6210° 6300° ① 6300° 6390° ② 6390° 6480° ③ 6480° 6570° ④ 6570° 6660° ⑤ 6660° 6750° ⑥ 6750° 6840° ⑦ 6840° 6930° ⑧ 6930° 7020° ⑨ 7020° 7110° ⑩ 7110° 7200° ⑪ 7200° 7290° ⑫ 7290° 7380° ⑬ 7380° 7470° ⑭ 7470° 7560° ⑮ 7560° 7650° ⑯ 7650° 7740° ⑰ 7740° 7830° ⑱ 7830° 7920° ⑲ 7920° 8010° ⑳ 8010° 8100° ㉑ 8100° 8190° ㉒ 8190° 8280° ㉓ 8280° 8370° ㉔ 8370° 8460° ㉕ 8460° 8550° ㉖ 8550° 8640° ㉗ 8640° 8730° ㉘ 8730° 8820° ㉙ 8820° 8910° ㉚ 8910° 9000° ㉛ 9000° 9090° ㉜ 9090° 9180° ㉝ 9180° 9270° ㉞ 9270° 9360° ㉟ 9360° 9450° ㊱ 9450° 9540° ㊲ 9540° 9630° ㊳ 9630° 9720° ㊴ 9720° 9810° ㊵ 9810° 9900° ㊶ 9900° 9990° ㊷ 9990° 10080° ㊸ 10080° 10170° ㊹ 10170° 10260° ㊺ 10260° 10350° ㊻ 10350° 10440° ㊼ 10440° 10530° ㊽ 10530° 10620° ㊾ 10620° 10710° ㊿ 10710° 10800° ① 10800° 10890° ② 10890° 10980° ③ 10980° 11070° ④ 11070° 11160° ⑤ 11160° 11250° ⑥ 11250° 11340° ⑦ 11340° 11430° ⑧ 11430° 11520° ⑨ 11520° 11610° ⑩ 11610° 11700° ⑪ 11700° 11790° ⑫ 11790° 11880° ⑬ 11880° 11970° ⑭ 11970° 12060° ⑮ 12060° 12150° ⑯ 12150° 12240° ⑰ 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23490° 23580° ㊸ 23580° 23670° ㊹ 23670° 23760° ㊺ 23760° 23850° ㊻ 23850° 23940° ㊼ 23940° 24030° ㊽ 24030° 24120° ㊾ 24120° 24210° ㊿ 24210° 24300° ① 24300° 24390° ② 24390° 24480° ③ 24480° 24570° ④ 24570° 24660° ⑤ 24660° 24750° ⑥ 24750° 24840° ⑦ 24840° 24930° ⑧ 24930° 25020° ⑨ 25020° 25110° ⑩ 25110° 25200° ⑪ 25200° 25290° ⑫ 25290° 25380° ⑬ 25380° 25470° ⑭ 25470° 25560° ⑮ 25560° 25650° ⑯ 25650° 25740° ⑰ 25740° 25830° ⑱ 25830° 25920° ⑲ 25920° 26010° ⑳ 26010° 26100° ㉑ 26100° 26190° ㉒ 26190° 26280° ㉓ 26280° 26370° ㉔ 26370° 26460° ㉕ 26460° 26550° ㉖ 26550° 26640° ㉗ 26640° 26730° ㉘ 26730° 26820° ㉙ 26820° 26910° ㉚ 26910° 27000° ㉛ 27000° 27090° ㉜ 27090° 27180° ㉝ 27180° 27270° ㉞ 27270° 27360° ㉟ 27360° 27450° ㊱ 27450° 27540° ㊲ 27540° 27630° ㊳ 27630° 27720° ㊴ 27720° 27810° ㊵ 27810° 27900° ㊶ 27900° 27990° ㊷ 27990° 28080° ㊸ 28080° 28170° ㊹ 28170° 28260° ㊺ 28260° 28350° ㊻ 28350° 28440° ㊼ 28440° 28530° ㊽ 28530° 28620° ㊾ 28620° 28710° ㊿ 28710° 28800° ① 28800° 28890° ② 28890° 28980° ③ 28980° 29070° ④ 29070° 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34740° 34830° ⑱ 34830° 34920° ⑲ 34920° 35010° ⑳ 35010° 35100° ㉑ 35100° 35190° ㉒ 35190° 35280° ㉓ 35280° 35370° ㉔ 35370° 35460° ㉕ 35460° 35550° ㉖ 35550° 35640° ㉗ 35640° 35730° ㉘ 35730° 35820° ㉙ 35820° 35910° ㉚ 35910° 36000° ㉛ 36000° 36090° ㉜ 36090° 36180° ㉝ 36180° 36270° ㉞ 36270° 36360° ㉟ 36360° 36450° ㊱ 36450° 36540° ㊲ 36540° 36630° ㊳ 36630° 36720° ㊴ 36720° 36810° ㊵ 36810° 36900° ㊶ 36900° 36990° ㊷ 36990° 37080° ㊸ 37080° 37170°<