

# ***PENTACUT*** • ***JETCUT***

**Tools with the Coolant Channel  
Option for PENTA 34 Inserts**

## Highlights

**Following the successful performance of PCHR/L-24-JHP tools, ISCAR has applied the coolant channel option on tools for PENTA 34 insert sizes, for standard (6-10 bar) and high pressure coolant (up to 340 bar).**

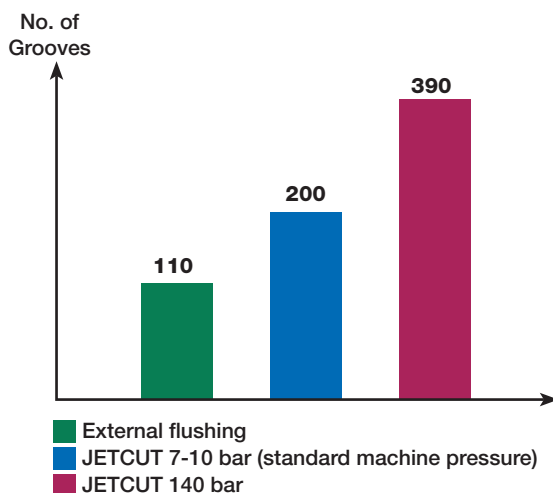
The new **PCHR/L-34-JHP** tools are available in 16, 20 and 25 mm shanks, extending the grooving depth capability of up to 10 mm.

In grooving and parting operations, applying high pressure coolant provides excellent chip breaking results on all materials. On exotic alloys such as Inconel and titanium, it is usually difficult to break the chips with standard external coolant pressure. On some alloyed and stainless steels, especially when low feeds are applied, high pressure coolant may solve chip breaking problems. High pressure coolant reduces or even eliminates built-up edge phenomenon, especially when machining stainless steel and high temperature alloys.

### Advantages

- Pinpointed effective coolant with both **standard 6-10 bar** and high pressure coolant
- Up to 100% increased tool life when machining titanium, heat resistant materials, stainless steel and alloy steel
- Up to 200% increased cutting speed when machining titanium and heat resistant alloys
- Effective chip control on problematic materials
- The coolant stream is not interrupted by the chips as it occurs with external flushing coolant

### Cooling Conditions Influence on Tool Life (typical results)





## Availability

In stock.

## Prices

Your price list will be sent to you by the pricing department and it is available in the **GAL** system.

Sincerely,

A handwritten signature in black ink that reads "D. ZOLA".

**David Zola**

Chief Technical Officer,  
Iscar Headquarters

Sincerely,

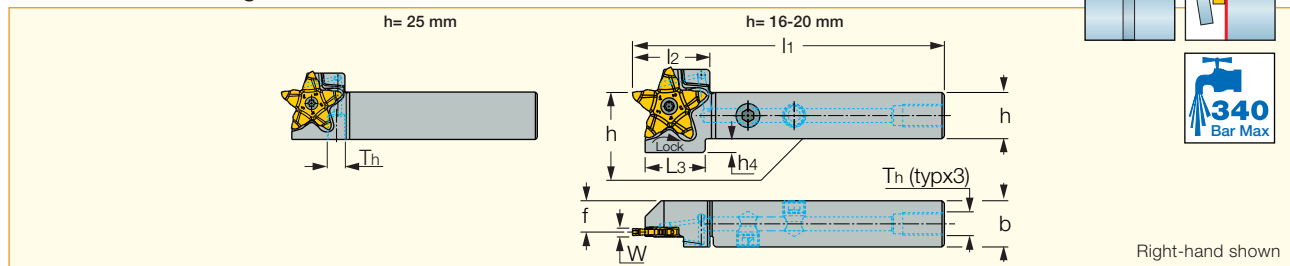
A handwritten signature in black ink that reads "K. Guy".

**Kobi Guy**

Product Manager,  
Parting & Slitting, Grip System  
Iscar Headquarters

## PCHR/L-34-JHP

Grooving, Parting and Recessing Tools for PENTA Inserts with Channels for High Pressure Coolant



Designation	h	b	W <sub>min</sub>	W <sub>max</sub>	f	l <sub>1</sub>	l <sub>2</sub>	l <sub>3</sub>	h <sub>4</sub>	T <sub>h</sub>	T <sub>max-r</sub> <sup>(1)</sup>	Insert
PCHR/L 16-34-JHP	16.0	16.0	1.50	4.00	9.6	120.00	33.5	28.00	9.0	UNF 5/16-24 (x3)	10.00	PENTA 34
PCHR/L 20-34-JHP	20.0	20.0	1.50	4.00	13.6	135.00	33.5	26.00	6.0	G 1/8-28 (x3)	10.00	PENTA 34
PCHR/L 25-34-JHP	25.0	25.0	1.50	4.00	18.6	135.00	33.5	-	-	G 1/8-28	10.00	PENTA 34

<sup>(1)</sup> For specific information, refer to insert data

## Spare Parts

Designation	Screw	Key	Plug	Key 1
PCHR/L 16-34-JHP	SR 16-212-01397	T-2010/5	SR 5/16UNF TL360	HW 5/32"
PCHR/L 20-34-JHP	SR 16-212-01397	T-2010/5	PLG 1/8BSP TL360	HW 5.0
PCHR/L 25-34-JHP	SR 16-212-01397	T-2010/5		