

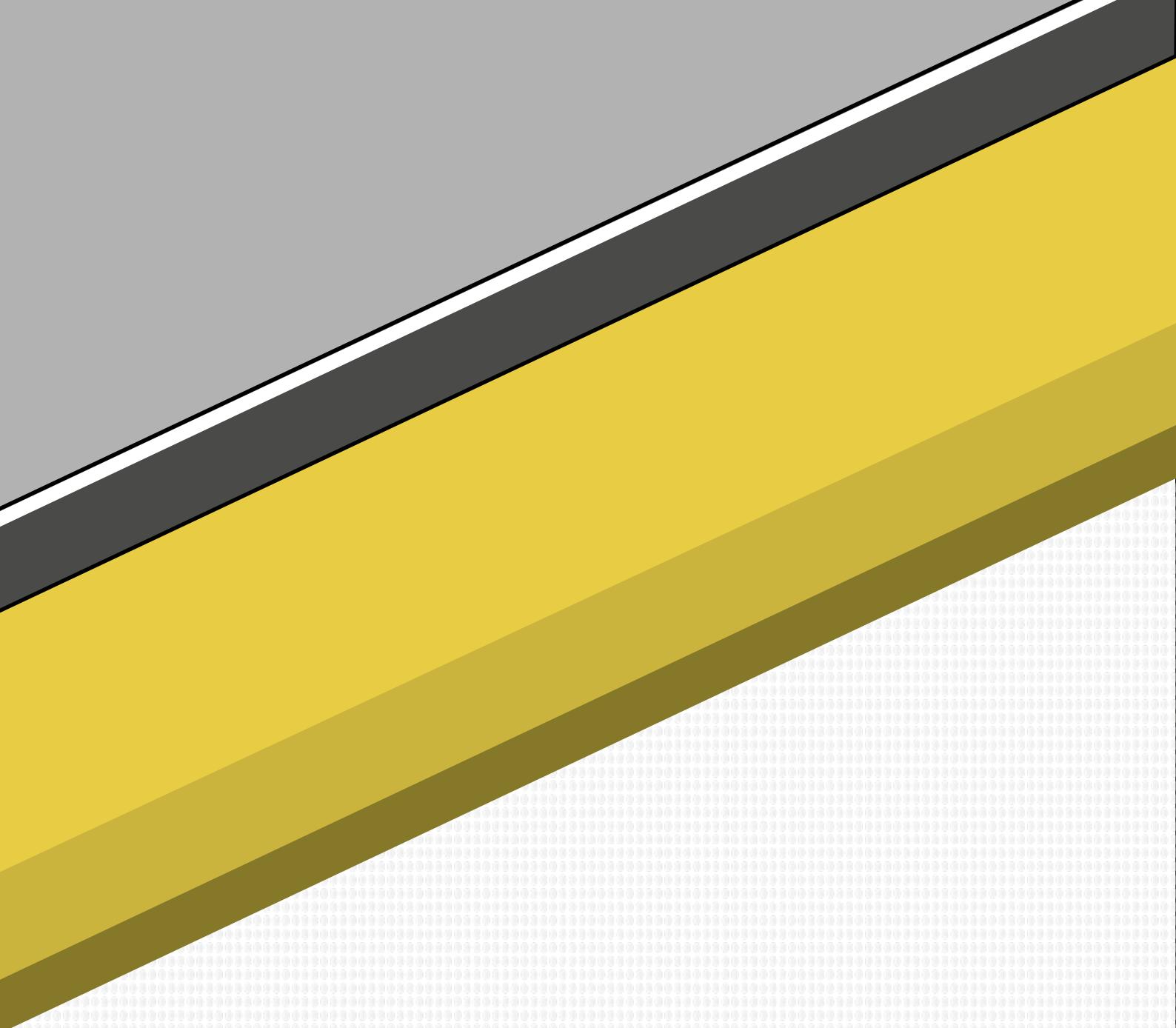


PUNCH  
EXECUTIONS

VEITH

<b>VEITH</b>							
Head		DIN 9861 Type D / 60°	DIN ISO 8020	similar DIN ISO 8020	cylindrical	Ball-	
Description		LE 12/36/16 D	LZ 22 A/EAL	LZ 22 AS	LZX 36 A/EA	LSS 22 LSL 22	
Material <i>*please ask for not listed versions</i>	1.3343	•	•	•			•
	ASP 23	•	•		•		
	S 290						
	REX 76						
	Carbide K40	•					
Available with ejector			•		•		•
Dimensions	Diameter	0,30 - 20,00 mm	3,00 - 40,00 mm	1,00 - 4,90 mm	8,00 - 25,00 mm	10,00 - 40	
	Length	71 - 130 mm	71 - 150 mm	71 - 100 mm	71 - 100 mm	71 - 120	
	Height of head	Depending on the dimension	5,0 + 0,25 mm	5,0 + 0,25 mm	8 ± 0,01 mm	Not app	
Hardness	Shank	h6	m5	m5	m5	g	
	Head	45 - 55 HRC	47 - 57 HRC	40 - 50 HRC	40 - 50 HRC	60 - 65	
Characteristics	Diameter-variety	+++	++	+++	+	++	
	Length-variety	+++	+++	++	++	++	
	Material-variety	++	+	+	+	+	
	Simple installa- tion	++	+++	+++	+++	++	
	Retraction force	+	+	+	++	+	
	Space require- ment	+++	++	++	+	++	
	Price	+++	+++	+++	+	++	
Notes		<ul style="list-style-type: none"> <li>Head has to be fine in the retainer</li> <li>hardness deviation LE 16 D</li> </ul>	<ul style="list-style-type: none"> <li>The most common punch</li> <li>Low-cost</li> <li>Simple installation because of cylindrical head</li> </ul>	<ul style="list-style-type: none"> <li>like DIN ISO 8020</li> <li>from Ø 1,0 - 4,90 mm increase 0,1 mm ex stock</li> <li>alternativ to DIN 9861</li> <li>Simple installation because of cylindrical head</li> </ul>	<ul style="list-style-type: none"> <li>Modified 8020 Punch with height of head 8,00 mm</li> <li>Head 5 mm larger than shank, therefore bigger space requirement</li> <li>head is more stable, but not as good as the quality of LPH</li> <li>simple installation</li> </ul>	<ul style="list-style-type: none"> <li>Punch changed disassembly reta</li> </ul>	<ul style="list-style-type: none"> <li>Especially in large the auto industry</li> </ul>

Lock	trombone	30°	fineblanking	DIN 9844	cylindrical	VDI 3374
A/EA A/EA	LPH 12/36/38/39 D LPH 12 ED	LE30 12 D LE30 12 ED	LFS 12 D	LY 12 A	LZ 12 A	LZD 22 EA
•	•	•	•	•	•	•
•	•	•	•	•	•	•
•	•	•	•	•	•	•
•	•	•	•	•	•	•
•	•	•	•	•	•	•
0,00 mm	2,00 - 25,00 mm	5,00 - 25,00 mm	2,00 - 15,00 mm	2,00 - 16,00 mm	1,60 - 16,00 mm	5,00 - 40,00 mm
5 mm	71 - 130 mm	71 - 130 mm	90 mm	71 - 112 mm	71 - 112 mm	80 - 100 mm
applicable	Depending on the dimension	Depending on the dimension	5,0 - 0,02 mm	4,0 + 0,2 mm	Depending on the dimension	5,00 - 0,02 mm
5	h6	h6	n6	h6	h6	m4
4 HRC	62 - 66 HRC	62 - 66 HRC	62 - 66 HRC	62 - 66 HRC	62 - 65 HRC	61 - 63 HRC
	45 - 55 HRC	45 - 55 HRC	53 - 59 HRC	49 - 55 HRC	40 - 50 HRC	45 - 48 HRC
+	++	+	+++	+++	+++	++
+	+++	++	+	++	++	+++
-	+++	+	+	+	+	+
++	+	+	+++	+++	+++	+++
-	+++	+++	++	+	++	++
++	++	+	++	++	++	++
+	++	+	+	+	+	++
can be without abling the inner ally used tools of omotive stry	<ul style="list-style-type: none"> <li>Made for extreme applications with high retraction force</li> <li>Complicated installation but best effects compared to all other versions</li> <li>hardness deviation LPH 38 &amp; 39 D Shank 66-68 HRC Head 45-55 HRC</li> </ul>	<ul style="list-style-type: none"> <li>Similar to LPH, but high space requirement because of the large head-diameter</li> </ul>	<ul style="list-style-type: none"> <li>Special development for fine blanking in cooperation with Feintool</li> <li>guaranteed interchangeability because of the very finely tolerated head height</li> <li>heads do not sink</li> </ul>	<ul style="list-style-type: none"> <li>Largest diameter-variety of punch with cylindrical head</li> </ul>	<ul style="list-style-type: none"> <li>Cylindrical head with diameter depending head height</li> <li>old Veith-standard</li> </ul>	<ul style="list-style-type: none"> <li>Based on the ISO 8020.</li> </ul> <p>Differences are height of head tol. -0,02 mm and the existing pin hole (<math>\geq 10,00</math> mm) in the head</p>



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