

Ejector program – Selection guide



Head form DIN / DIN ISO	Shaft form	Form	No.	Material					Heat treatment				Core hardness				Edge hardness		Additional characteristics					Properties						Areas of application				
				WS (~1.2516)	WAS (~1.2343)	Stainless steel (1.4125)	HSS (1.3343)	hardened	nitrided (bright)	nitrided (oxidised)	DLC coated	45HRC	52HRC	56HRC	60HRC	950HV	3000HV	anti-twist head	2x R0,2 corner radii	4x R0,2 corner radii	ventilation	Breaking strength	High forces	Resistance		Subsequent processing		clean room	contour pin	High usage 24/7	large ejectors	wire- eroded holes / pockets		
 DIN 1530-1 cylindrical ejector pins		AH	Z40	■				■												✓	✓✓	✓✓	✓	✓✓	✓									
			Z400	■				■						■		■					✓	✓✓	✓✓	✓✓	✓	✓								
			Z401	■				■						■						■	✓	✓✓	✓✓	✓	✓✓	✓								
		A	Z41		■			■	■			■				■					✓✓	✓✓✓	✓✓✓	✓✓	✓	✓								
			Z410		■			■				■					■				✓✓	✓✓✓	✓✓✓	✓✓	✓✓✓	✓✓✓								
			Z412		■			■		■		■				■					✓✓	✓✓✓	✓✓✓	✓✓	✓	✓								
			Z413			■		■						■							✓✓	✓✓✓	✓✓	✓✓✓	✓✓	✓								
D	Z42	■				■						■							✓	✓✓	✓✓	✓	✓✓	✓										
	Z43		■			■	■			■				■					✓✓	✓✓✓	✓✓✓	✓✓	✓	✓										
 DIN 1530-2 stepped ejector pins		C	Z44		■			■		■				■					✓✓✓	✓✓✓	✓✓✓	✓✓	✓	✓										
			CH	Z441	■				■					■							✓✓	✓✓	✓✓	✓	✓✓	✓								
		Z443		■				■			■			■		■					✓✓	✓✓	✓✓	✓✓	✓	✓								
		Z4430						■	■		■			■							✓✓✓	✓✓✓	✓✓✓	✓✓	✓	✓								
 DIN ISO 8405 ejector sleeves			Z45		■			■	■		■			■					✓✓	✓✓✓	✓✓✓	✓✓	✓	✓										
			Z4501		■			■				■								✓✓	✓✓✓	✓✓✓	✓✓	✓✓✓	✓✓✓									
			Z451	■				■						■						✓	✓✓	✓✓	✓	✓✓	✓									
			Z457		■			■	■		■					■					✓✓	✓✓✓	✓✓	✓✓	✓	✓								
			Z458		■			■	■			■			■						✓✓	✓✓✓	✓✓✓	✓✓	✓	✓								
 DIN ISO 8693 flat ejector pins		FA	Z46		■			■		■			■			■			✓✓✓	✓✓✓	✓✓✓	✓✓	✓	✓										
		FAH	Z465	■				■						■			■			✓✓	✓✓	✓✓	✓	✓✓	✓									
			Z4650	■				■			■			■			■		■		✓✓	✓✓	✓✓	✓✓	✓	✓								
			Z4651	■				■			■			■			■	■			✓✓	✓✓	✓✓	✓✓	✓	✓								
			Z4655	■				■						■			■		■		✓✓	✓✓	✓✓	✓	✓	✓								
			Z4656	■				■						■			■	■			✓✓	✓✓	✓✓	✓	✓	✓								
			Z4670	■				■						■			■				✓✓	✓✓	✓✓	✓	✓	✓								
			Z4671	■				■						■			■		■		✓✓	✓✓	✓✓	✓	✓	✓								