

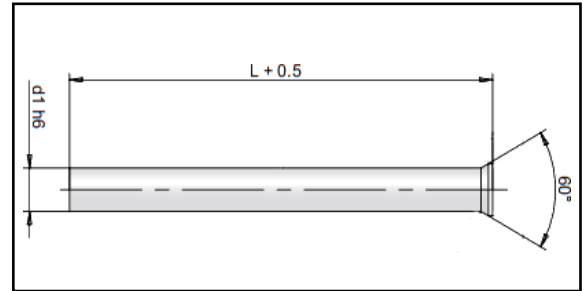


C_{ounter} S_{unk} P_{unch} B_{lank}



CSPB

HWS, HSS, Vanadis 23, CPM 10V
Various other materials are available



Ordering Example:
(1,000) CSPB 3-80 HSS

Type	"d1"	Overall Length "L"				
		50	63	71	80	100
CSPB	2	50	63	71	80	100
CSPB	3	50	63	71	80	100
CSPB	4	50	63	71	80	100
CSPB	5	50	63	71	80	100
CSPB	6	50	63	71	80	100
CSPB	7	50	63	71	80	100

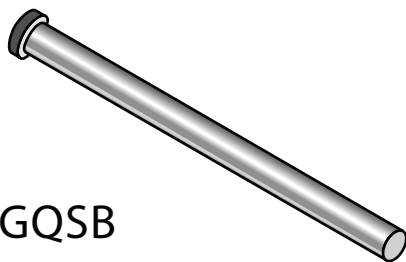
30° or 60° Counter Sunk Punch Heads are available.

Other various sizes available to your drawing.

Add TiN, TiCN and NCA Punch coatings to improve life and performance.

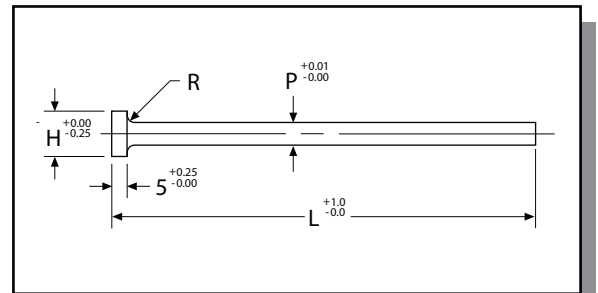


G_{eneral} Q_{uill} P_{unches} S_{houlder} B_{lank}



GQSB

M2, R/c 60-63
triple tempered



Ordering Example:
(18) GQSB 63 P4.66 M2

Type	Overall Length "L"					Point Range "P"	Head Dia. "H"
	50	63	71	80	100		
GQSB	50	63	71	80	100	0.81 – 2.00	4
GQSB	50	63	71	80	100	2.01 – 3.00	5
GQSB	50	63	71	80	100	3.01 – 4.00	6
GQSB	50	63	71	80	100	4.01 – 5.00	7
GQSB	50	63	71	80	100	5.01 – 6.00	8
GQSB	50	63	71	80	100	6.01 – 7.00	9