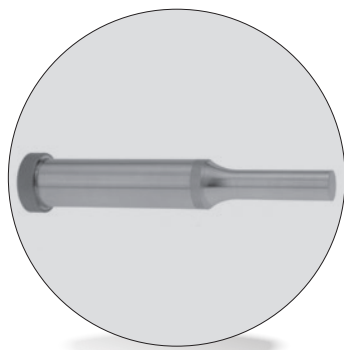
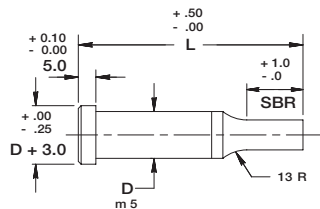


Punzoni testa cilindrica

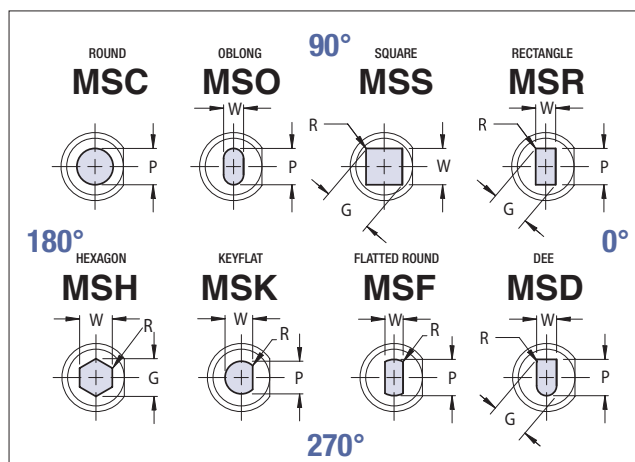
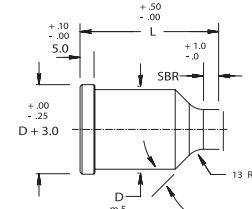
Shoulder punches - Solid



D. 4÷40



D. 45÷63



Per le alterazioni standard vedi pagg. 3.56 ÷ 3.61
For product alterations see pages 3.56 ÷ 3.61

I disegni rappresentano i punzoni visti dalla parte del corpo ma disegnate con linea piena per chiarezza/Views are shown looking through the shank but drawn with solid lines for clarity.

Codice/Code	Materiale/Materiale	Tolleranze standard/ Standard Point Tolerance	*Tolleranza alternativa/Alt. point tol.	T2
Cod. MS_	Acciaio/Steel: M2, HRC 60-63	Tondo/Round P $\begin{matrix} +.01 \\ -.00 \end{matrix}$ 0.01 P - D	P, W $\begin{matrix} +.005 \\ -.000 \end{matrix}$	
	Testa/Head - HRC 45-55 ALTERNATIVA/ALTERNATIVE **PM4, HRC 60-63 Testa/Head - HRC 45-55	Sagoma/Shape P, W $\pm .01$ 0.02 P - D Quando P=D si usa la tolleranza del corpo (D) When P = D Shank Tolerances apply (D)	P - D 0.008 * a richiesta e non eseguibile oltre il Ø 45 * on request, not available beyond Ø 45	

CODICE CODE	D	TONDO/ROUND	SAGOMA/SHAPE		L															
		P	MIN W	MAX G/P	40	50	56	60	63	70	71	80	90	100	110	120	125	150		
MS_04	4	1.60 - 3.99	1.60	4.00	●	●	●	●	●	●	●	●	●	●		●	●			
MS_05	5	1.60 - 4.99	1.60	5.00	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆		●	●			
MS_06	6	1.60 - 5.99	1.60	6.00		◆	◆	◆	◆	◆	◆	◆	◆	◆		●	●			
MS_08	8	2.50 - 7.99	2.50	8.00		◆	◆	◆	◆	◆	◆	◆	◆	◆	●	●	●			
MS_10	10	3.20 - 9.99	3.20	10.00		◆	◆	◆	◆	◆	◆	◆	◆	◆	●	●	●	●		
MS_13	13	5.00 - 12.99	4.50	13.00		◆	◆	◆	◆	◆	◆	◆	◆	◆	●	●	●	●		
MS_16	16	8.00 - 15.99	6.00	16.00		◆	◆	◆	◆	◆	◆	◆	◆	◆	●	●	●	●		
MS_20	20	10.00 - 19.99	8.00	20.00			◆	◆	◆	◆	◆	◆	◆	◆	●	●	●	●		
MS_25	25	12.00 - 24.99	9.00	25.00			◆	◆	◆	◆	◆	◆	◆	◆	●	●	●	●		
MS_32	32	16.00 - 31.99	10.00	32.00					◆	◆	◆	◆	◆	◆	●	●	●	●		
MS_40	40	30.00 - 39.99	14.00	40.00								◆	◆	◆	●	●	●	●		
MS_45	45	25.00 - 44.99	10.00	45.00								●	●	●	●	●	●	●		
MS_50	50	30.00 - 49.99	12.00	50.00								●	●	●	●	●	●	●		
MS_56	56	35.00 - 55.99	13.00	56.00								●	●	●	●	●	●	●		
MS_63	63	40.00 - 62.99	14.00	63.00								●	●	●	●		●	●		

CODICE CODE	D	SBR		
		STD	B	C
MS_04	4	8	10	—
MS_05	5	13	10	—
MS_06	6	13	10	—
MS_08	8	19	13	—
MS_10	10	19	13	25
MS_13	13	19	13	25
MS_16	16	19	13	25
MS_20	20	19	13	25

CODICE CODE	D	SBR		
		STD	B	C
MS_25	25	19	13	25
MS_32	32	25	19	30
MS_40	40	25	19	30
MS_45	45	25	19	30
MS_50	50	25	19	30
MS_56	56	25	19	30
MS_63	63	25	19	30

L=50 SBR MAX=13 L=60 SBR MAX=19
L=56 SBR MAX=19 L=63 SBR MAX=25

**Specificare M2 o PM4 in fase d'ordine
**Must specify M2 or PM4 when ordering

Esempio di ordinazione/Order example:

TIPO	"D"	"L"	Lung. SBR	P (o P/W) dimensioni	ALT. STD.	MATERIALE
MSC	13	90	13	10,0	F1	M2
MSO	16	80	STD	14,0x8,0	F1	PM4

Il taglio della chiavetta è in posizione standard a 0°. Tutte le altre posizioni devono essere specificate in fase d'ordine (es. 90°).
Standard flat location is at 0° as shown. For other positions, specify when ordering (ex. 90°)