
SINPAR®

CATÁLOGO

**DE FRESAS DE METAL DURO INTEGRAL Y ACERO RÁPIDO,
BROCAS Y HERRAMIENTAS ESPECIALES**





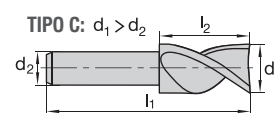
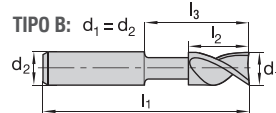
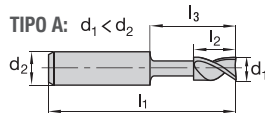
FRESAS

DE ACERO RÁPIDO



FRESAS PLANAS DIN 844

FRONTALES HSS -CO, CON 4 FILOS, CORTE AL CENTRO



Tolerancia de mango: h7

Tolerancia de filo: $d_1 = d_2 \rightarrow h10$

Tolerancia de filo: $d_1 \neq d_2 \rightarrow k10$

CÓDIGO	DESCRIPCIÓN					TIPO FIGURA	FILOS	DISPONIBILIDAD	ENVASE
	d ₁ mm	d ₂ mm	l ₁ mm	l ₂ mm	l ₃ mm				
FRMR-FP03004-HSSE	3,0	6	52	8	14,0	A	4	●	1 u
FRMR-FP03004-HSSE-L	3,0	6	56	12	21,0	A	4	●	1 u
FRMR-FP03504-HSSE	3,5	6	55	11	18,0	A	4	●	1 u
FRMR-FP04004-HSSE	4,0	6	55	11	18,0	A	4	●	1 u
FRMR-FP04004-HSSE-L	4,0	6	63	19	27,0	A	4	●	1 u
FRMR-FP05004-HSSE	5,0	6	57	13	21,0	A	4	●	1 u
FRMR-FP05004-HSSE-L	5,0	6	68	24	33,0	A	4	●	1 u
FRMR-FP05504-HSSE	5,5	6	57	13	21,0	A	4	●	1 u
FRMR-FP06004-HSSE	6,0	6	57	13	21,0	B	4	●	1 u
FRMR-FP06004-HSSE-L	6,0	6	68	24	32,0	B	4	●	1 u
FRMR-FP06504-HSSE	6,5	10	66	16	24,0	A	4	●	1 u
FRMR-FP07004-HSSE	7,0	10	66	16	24,0	A	4	●	1 u
FRMR-FP08004-HSSE	8,0	10	69	19	27,0	A	4	●	1 u
FRMR-FP08004-HSSE-L	8,0	10	88	38	50,0	A	4	●	1 u
FRMR-FP08504-HSSE	8,5	10	69	19	27,0	A	4	●	1 u
FRMR-FP09004-HSSE	9,0	10	69	19	27,0	A	4	●	1 u
FRMR-FP09504-HSSE	9,5	10	69	19	27,0	A	4	●	1 u
FRMR-FP10004-HSSE	10,0	10	72	22	31,0	B	4	●	1 u
FRMR-FP10004-HSSE-L	10,0	10	95	45	54,0	B	4	●	1 u
FRMR-FP11004-HSSE	11,0	12	79	22	33,0	A	4	●	1 u
FRMR-FP12004-HSSE	12,0	12	83	26	38,0	B	4	●	1 u
FRMR-FP12004-HSSE-L	12,0	12	110	53	65,0	B	4	●	1 u
FRMR-FP13004-HSSE	13,0	12	83	26	--	C	4	●	1 u
FRMR-FP14004-HSSE	14,0	12	83	26	--	C	4	●	1 u
FRMR-FP14004-HSSE-L	14,0	12	110	53	--	C	4	●	1 u
FRMR-FP15004-HSSE	15,0	12	83	26	--	C	4	●	1 u
FRMR-FP16004-HSSE	16,0	16	92	32	44,0	B	4	●	1 u

● Producto estándar en stock ● Producto estándar a pedido ○ Producto especial a pedido