

Straight Shank Drill-bit HSSCO DIN 338 N
Broca con mango cilíndrico HSSCO DIN 338 N

Ref.

1105
1105
HSSCO DIN 338 N

Aceros 800 - 1100 N/mm²
Aciers / Steel
800 N/mm² INOX TI

Aplicaciones / Applications


TECHNICAL PARAMETERS / CARACTERÍSTICAS TÉCNICAS

Diameters Diámetros	Ø mm	Ø0.5mm– Ø20mm								
Total lenght Longitud total	L mm	DIN 338 N (Catálogo)								
Lenght of cut Longitud de corte	l mm	DIN 338 N (Catálogo)								
Tip angle Ángulo de punta		135°								
Flute angle Ángulo de hélice		30°								
Tip Punta		Split point								
Material	Quality Calidad	HSSCo-M35 (1.3243) 5%Co HSSE-M35 (1.3243)								
		C	Mn	Si	P	S	Cr	Mo	V	Otros
		0,93	0,30	0,30	≤ 0,030	≤ 0,030	4,10	5,00	1,80	W. 6,40 Co. 4,80
	Hardness Dureza HRC	62 - 66								
Shank Mango		Straight Cilíndrico								
Surface Superficie		-								
Main application Aplicación	1100 N/mm²	Aceros 800 - 1100 N/mm²						Aciers / Steel		800 N/mm² INOX TI
Packing Envasado		Caja 10 uds. Box (Ø0.50mm – 9.90mm) Caja 5 uds. Box (Ø10.00mm – 13.00mm) Caja 4 uds. Box (Ø13.50 mm – 15.00mm) Caja 1 uds. Box (Ø15.50mm – 20.00mm)								

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CUTTING CONDITIONS / CONDICIONES DE CORTE

Material	N/mm ²	Cutting speed V _c m/min.	Avance mm/rpm				
			Ø2	Ø5	Ø10	Ø15	Ø20
1.1 Soft magnetic steel 1.1 Acero magnético blando	<400	25-35	0.04-0.06	0.08-0.012	0.20-0.30	0.30-0.40	0.35-0.46
1.2 Construction and cement steel 1.2 Acero de construcción y cementación	<700	20-30	0.04-0.06	0.08-0.012	0.20-0.30	0.30-0.40	0.35-0.46
1.3 Non-alloy carbón Steel 1.3 Acero al carbono no aleado	<750	15-25	0.02-0.03	0.05-0.07	0.12-0.18	0.18-0.24	0.22-0.28
1.4 Alloy Steel 1.4 Acero aleado	<1000	12-20	0.02-0.03	0.05-0.07	0.12-0.18	0.18-0.24	0.22-0.28
1.5 Treated alloys Steel 1.5 Acero aleado tratado	<1200	6-16	0.01-0.04	0.04-0.09	0.09-0.18	0.12-0.28	0.14-0.33
2.1 Sulphureous stainless Steel 2.1 Acero inoxidable azufrado	<850	14-16	0.02-0.04	0.07-0.09	0.15-0.21	0.20-0.28	0.25-0.33
2.2 Austenitic stainless Steel 2.2 Acero inoxidable austenítico	<850	10-14	0.01-0.03	0.05-0.07	0.14-0.18	0.20-0.24	0.22-0.28
2.3 Ferritic and martensitic stainless Steel 2.3 Acero inoxidable ferríticos y martensíticos	<850	8-12	0.02-0.04	0.05-0.09	0.18-0.21	0.20-0.28	0.25-0.33
3.1 Grey cast iron 3.1 Fundición gris	<500	25-30	0.04-0.06	0.08-0.012	0.20-0.30	0.30-0.40	0.35-0.46
3.3 Grey with spheroidal cast iron 3.3 Fundición gris con grafito esférico	<700	12-16	0.04-0.06	0.05-0.09	0.18-0.21	0.20-0.28	0.25-0.33
6.3 Long chipping brass 6.3 Latón de viruta larga	<700	40-60	0.02-0.04	0.05-0.09	0.18-0.21	0.20-0.28	0.25-0.33
6.5 Long chipping bronze 6.5 Bronce de viruta larga	<700	30-50	0.02-0.04	0.05-0.09	0.18-0.21	0.20-0.28	0.25-0.33
7.2 Alloy aluminium Si<10% 7.2 Aleación de aluminio con Si<10%	<600	50-60	0.02-0.04	0.05-0.09	0.18-0.21	0.20-0.28	0.25-0.33
8.1 Thermoplastics 8.1 Termoplásticos	<50	20-25	0.03-0.04	0.06-0.07	0.12-0.13	0.16-0.17	0.25-0.26



Optima / Optimun



Alternativo / Alternative