

Center Drills / Countersinks

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SERIES	281	282	283	284	285	287	288	289	292	294	581	582	583	584
Style	Form A	Form A (LH)	Form R	Form R (LH)	Form B	Form A	Form R	Form B	Form A	Form A (LH)	Form A	Form A (LH)	Form R	Form R (LH)
Point Angle	60°	60°	60°	60°	60°/120°	60°	60°	60°/120°	60°	60°	60°	60°	60°	60°
Standard	Guhring	DIN 333A	DIN 333R	DIN 333R	DIN 320B	DIN 333A	DIN 333R	DIN 320B	BS 328R	BS 328L	DIN 333A	DIN 333A	DIN 333R	DIN 333R
Shank	Round	Round	Round	Round	Round	Flatted	Flatted	Flatted	Round	Round	Round	Round	Round	Round
Coolant														
Substrate	HSS	HSS	HSS	HSS	HSS	HSS	HSS	HSS	HSS	HSS	HSS	HSS	HSS	HSS
Surface Finish	○	○	○	○	○	○	○	○	○	○	○	○	○	○
Std. Dia. Range mm	0.500 - 10.000	0.800 - 5.000	0.500 - 10.000	1.250 - 4.000	1.000 - 6.300	1.600 - 10.000	1.600 - 8.000	1.600 - 5.000			0.500 - 10.000	0.500 - 8.000	0.500 - 8.000	0.800 - 5.000
Std. Dia. Range In.									No. 1 - 7	No. 1 - 7				
Catalog Page	107	107	107	107	108	108	108	108	109	109	107	107	107	107
Tech Data Page	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

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SERIES	585	586	587	588	589	590	591	594	595	613	614	381	736	280
Style	Form B	Form B (LH)	Form A	Form R	Form B	Form A	Form B	Form A	Form B	Form A	Form R	Form A	Form A	Form A
Point Angle	60°/120°	60°	60°	60°	60°/120°	60°	60°/120°	60°	60°/120°	60°	60°	60°	60°	60°
Standard	DIN 333B	DIN 333B	DIN 333A	DIN 333R	DIN 333B	DIN 333A	DIN 333B	ASA	ASA	DIN 333A	DIN 333R	DIN 333A	DIN 333A	Guhring
Shank	Round	Round	Flatted	Flatted	Flatted	Round	Round	Round	Round	Round	Round	Round	Round	Round
Coolant														
Substrate	HSS	HSS	HSS	HSS	HSS	HSS	HSS	HSS	HSS	HSS	HSS	Cobalt	Carbide	HSS
Surface Finish	○	○	○	○	○	○	○	○	○	Ⓢ	Ⓢ	○	○	○
Std. Dia. Range mm	1.000 - 10.000	1.000 - 10.000	1.600 - 10.000	1.600 - 8.000	1.600 - 8.000	1.000 - 10.000	1.000 - 10.000			0.500 - 8.000	0.800 - 8.000	1.000 - 4.000	0.500 - 6.300	1.000 - 3.150
Std. Dia. Range In.								No. 1 - 8	No. 11 s-18					
Catalog Page	108	108	110	110	110	107	107	109	109	107	107	107	107	107
Tech Data Page	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A