



HSS, HSS-E and carbide countersinks

Standard	Form	Tool illustration	Tool material	Surface	d1	Gühring no.	Discount group	Standard range page
----------	------	-------------------	---------------	---------	----	-------------	----------------	---------------------

60° countersinks

DIN 334	C		HSS		6,300 - 25,000	472	105	1373
DIN 334	A		HSS		8,000 - 20,000	470	105	1374
DIN 334	D		HSS		16,000 - 80,000	473	105	1375
DIN 334	B		HSS		16,000 - 100,000	471	105	1376

90° countersinks

DIN 335	A		HSS		8,000 - 20,000	474	105	1377
DIN 335	C		HSS		4,300 - 31,000	476	105	1378
DIN 335	C		HSS		4,300 - 31,000	1326	105	1378
DIN 335	C		HSS		5,000 - 31,000	327	105	1378
DIN 335	D		HSS		15,000 - 100,000	477	105	1379
DIN 335	D		HSS		25,000 - 50,000	328	105	1379
DIN 335	B		HSS		16,000 - 100,000	475	105	1380

90° countersinks

DIN 335	C		HSS		7,000 - 7,000	498	105	1381
DIN 335	C		HSS		7,000 - 7,000	499	105	1381

bright
 steam tempered
 nitrided lands
 nitrided
 golden brown
 TiAlN
 TiAlN nanoA
 TiAlN SuperA



Standard	Form	Tool illustration	Tool material	Surface	d1	Gühring no.	Discount group	Standard range page
----------	------	-------------------	---------------	---------	----	-------------	----------------	---------------------

90° countersinks for fine tolerances

DIN 1866		HSS	○	2,000 - 19,000	436	105	1382
----------	--	-----	---	----------------	------------	-----	------

90° countersinks for medial tolerances

DIN 1866		HSS	○	6,600 - 21,500	437	105	1383
----------	--	-----	---	----------------	------------	-----	------

90° countersinks for tapping size holes

DIN 1866		HSS	○	6,000 - 19,000	438	105	1384
----------	--	-----	---	----------------	------------	-----	------

120° countersinks

DIN 347 A		HSS	○ $\begin{smallmatrix} >0 \\ 8,00 \end{smallmatrix}$	8,000 - 20,000	478	105	1385
Gühring std.		HSS	○	16,000 - 16,000	480	105	1386
Gühring std.		HSS	●	25,000 - 40,000	481	105	1387
DIN 347 B		HSS	●	25,000 - 100,000	479	105	1388

HSS, HSS-E and carbide countersinks

Counterbores with fixed pilots for fine tolerances

DIN 373		HSS	○	2,200 - 20,000	482	105	1389
DIN 373		HSS	Ⓢ	8,000 - 20,000	324	105	1389
Gühring std.		HSS	●	18,000 - 40,000	485	105	1390



Standard	Form	Tool illustration	Tool material	Surface	d1	Guhring no.	Discount group	Standard range page
----------	------	-------------------	---------------	---------	----	-------------	----------------	---------------------

Counterbores with fixed pilots for medial tolerances

DIN 373		HSS	○	6,000 - 20,000	483	105	1391
DIN 373		HSS	Ⓢ	6,000 - 18,000	325	105	1391
Guhring std.		HSS	●	18,000 - 40,000	486	105	1392

Counterbores with fixed pilots for tapping size holes

DIN 373		HSS	○	6,000 - 20,000	484	105	1393
DIN 373		HSS	Ⓢ	6,000 - 18,000	326	105	1393
Guhring std.		HSS	●	20,000 - 26,000	487	105	1394

Counterbores with hole for detachable pilot

DIN 375		HSS	●	15,000 - 63,000	463	105	1395
---------	--	-----	---	-----------------	------------	-----	------

Detachable pilot for fine tolerances

DIN 1868		HSS	○	8,400 - 25,000	464	105	1396
----------	--	-----	---	----------------	------------	-----	------

Detachable pilot for medial tolerances

DIN 1868		HSS	○	9,000 - 39,000	465	105	1397
----------	--	-----	---	----------------	------------	-----	------

Detachable pilot for tapping size holes

DIN 1868		HSS	○	6,800 - 32,000	466	105	1398
----------	--	-----	---	----------------	------------	-----	------

○ bright	● steam tempered	◐ nitrided lands	● nitrided	● golden brown	Ⓐ TiAIN	ⓐ TiAIN nanoA	Ⓐ TiAIN SuperA
----------	------------------	------------------	------------	----------------	---------	---------------	----------------



Standard	Form	Tool illustration	Tool material	Surface	d1	Gühring no.	Discount group	Standard range page
----------	------	-------------------	---------------	---------	----	-------------	----------------	---------------------

Spot facers

DIN 1862		HSS-E	●	3,500 - 13,000	432	105	1399
DIN 1862		HSS-E	●	6,000 - 30,000	433	105	1400
DIN 1862		HSS-E	●	10,000 - 30,000	434	105	1401
DIN 1862		HSS-E	●	20,000 - 48,000	435	105	1402

De-burring forks

Gühring std.		Solid carbide	○	2,000 - 8,000	4101	120	1403
Gühring std.		Solid carbide	○	2,000 - 8,000	4100	120	1404

ERROR: Name - VALUE (Chapter Group 3) is missing!

Gühring std.		NEW	Solid carbide	a	3,000 - 12,000	495	120	1405
--------------	---	-----	---------------	----------	----------------	------------	-----	------

HSS, HSS-E and carbide countersinks



Standard	Type	Tool illustration	Tool material	Surface	d1	Guhring no.	Discount group	Standard range page
----------	------	-------------------	---------------	---------	----	-------------	----------------	---------------------

Pilot counterbores

Guhring std.	KS 125		HSS		12,000 - 57,000	1601	104	1406
Guhring std.	KS 140		HSS		5,000 - 45,000	1602	104	1407
Guhring std.	KS 108		Carbide		5,900 - 75,000	1603	104	1408
Guhring std.	KS 115		Carbide		18,000 - 74,000	1604	104	1409

Spotfacers

Guhring std.	KS 100		Carbide		9,000 - 67,000	1606	104	1410
--------------	--------	--	---------	--	----------------	------	-----	------

90° countersinks

Guhring std.	KS 100		HSS		12,000 - 30,000	1622	104	1411
--------------	--------	--	-----	--	-----------------	------	-----	------



Standard	Type	Tool illustration	Tool material	Surface	d1	Guhring no.	Discount group	Standard range page
----------	------	-------------------	---------------	---------	----	-------------	----------------	---------------------

Threaded pins

DIN 551



-

1624

104

1412

Tool extractors

Guhring std.



-

1650

104

1413

Guhring std.



-

1651

104

1413

Pilots with angled flat

Guhring std.



-

1615

104

1414

Pilots complete

Guhring std.



-

1616

104

1416

Pilots complete with pilot sleeve

Guhring std.



-

1617

104

1420

Holding screws

Guhring std.

-

1647

104

1422

Safety bolts

Guhring std.



-

1648

104

1423



Standard	Type	Tool illustration	Tool material	Surface	d1	Guhring no.	Discount group	Standard range page
----------	------	-------------------	---------------	---------	----	-------------	----------------	---------------------

Locknuts

Guhring std.					-	1649	104	1424
--------------	--	--	--	--	---	------	-----	------

Standard short holders with straight shank

Guhring std.					-	1625	104	1425
--------------	--	--	--	--	---	------	-----	------

Standard short holders with taper shank

Guhring std.					-	1626	104	1426
--------------	--	--	--	--	---	------	-----	------

Standard long holders with taper shank

Guhring std.					-	1628	104	1427
--------------	--	--	--	--	---	------	-----	------