

# COUNTERSINK

## Precision - Countersink



DIN 335 C 90 degrees

Manufactured of high-speed steel DMo5

Manufactured of high-speed steel EMo5 Co5

- 3-cutting edges-geometry
- Radial- and axial relief-grinded
- Parallel shank, tolerance h8
- Chatter-free operation
- No tooling marks
- Accurate centreing
- The countersink is suitable for almost all materials
- Excellent chip clearance
- For sinkings according to DIN 74 AF/BF and 75 AF/BF
- Regrindable

Qualität	Ref.	Head ø	Shank ø	Smallest ø	l—mm—l
HSS	M.1030060	6.0 mm	5 mm	1.5 mm	45
HSS	M.1030063	6.3 mm	5 mm	1.5 mm	45
HSS	M.1030080	8.0 mm	6 mm	2.0 mm	50
HSS	M.1030083	8.3 mm	6 mm	2.0 mm	50
HSS	M.1030100	10.0 mm	6 mm	2.5 mm	50
HSS	M.1030104	10.4 mm	6 mm	2.5 mm	50
HSS	M.1030124	12.4 mm	8 mm	2.8 mm	56
HSS	M.1030165	16.5 mm	10 mm	3.2 mm	60
HSS	M.1030205	20.5 mm	10 mm	3.5 mm	63
HSS	M.1030250	25.0 mm	10 mm	3.8 mm	67
HSS	M.1030310	31.0 mm	12 mm	4.2 mm	71
HSS	M.1030400	40.0 mm	13 mm	6.5 mm	80
HSS	M.1030500	50.0 mm	13 mm	12.0 mm	85
HSS/Co	M.2030060	6.0 mm	5 mm	1.5 mm	45
HSS/Co	M.2030063	6.3 mm	5 mm	1.5 mm	45
HSS/Co	M.2030080	8.0 mm	6 mm	2.0 mm	50
HSS/Co	M.2030083	8.3 mm	6 mm	2.0 mm	50
HSS/Co	M.2030100	10.0 mm	6 mm	2.5 mm	50
HSS/Co	M.2030104	10.4 mm	6 mm	2.5 mm	50
HSS/Co	M.2030124	12.4 mm	8 mm	2.8 mm	56
HSS/Co	M.2030165	16.5 mm	10 mm	3.2 mm	60
HSS/Co	M.2030205	20.5 mm	10 mm	3.5 mm	63
HSS/Co	M.2030250	25.0 mm	10 mm	3.8 mm	67
HSS/Co	M.2030310	31.0 mm	12 mm	4.2 mm	71
HSS/Co	M.2030400	40.0 mm	13 mm	6.5 mm	80

## Precision - Countersink Set



- DIN 335 C 90 degrees
- In industrial steel-case
- Manufactured of high-speed steel DMo5
- Manufactured of high-speed steel EMO5 Co5
- 3-cutting edges-geometry
- Radial- and axial relief-grinded
- Parallel shank, tolerance h8
- Chatter-free operation
- No tooling marks
- Accurate centreing
- The countersink is suitable for almost all materials
- Excellent chip clearance
- For sinkings according to DIN 74 AF/BF and 75 AF/BF
- Regrindable

Quality	Ref.	Countersink-Range ø	Content
HSS	M.1030001	6.0 - 19.0 mm	ø 6.0; ø 8.0; ø 10.0; ø 11.5; ø 15.0; ø 19.0 mm
HSS	M.1030004	6.0 - 25.0 mm	ø 6.0; ø 8.0; ø 10.0; ø 11.5; ø 15.0; ø 19.0; ø 25.0 mm
HSS	M.1030002	6.3 - 20.5 mm	ø 6.3; ø 8.3; ø 10.4; ø 12.4; ø 16.5; ø 20.5 mm
HSS	M.1030003	6.3 - 25.0 mm	ø 6.3; ø 8.3; ø 10.4; ø 12.4; ø 16.5; ø 20.5; ø 25.0 mm
HSS/Co	M.2030001	6.0 - 19.0 mm	ø 6.0; ø 8.0; ø 10.0; ø 11.5; ø 15.0; ø 19.0 mm
HSS/Co	M.2030004	6.0 - 25.0 mm	ø 6.0; ø 8.0; ø 10.0; ø 11.5; ø 15.0; ø 19.0; ø 25.0 mm
HSS/Co	M.2030002	6.3 - 20.5 mm	ø 6.3; ø 8.3; ø 10.4; ø 12.4; ø 16.5; ø 20.5 mm
HSS/Co	M.2030003	6.3 - 25.0 mm	ø 6.3; ø 8.3; ø 10.4; ø 12.4; ø 16.5; ø 20.5; ø 25.0 mm

## TIN Precision - Countersink Set



- DIN 335 C 90 degrees
- In industrial steel-case
- Manufactured of high-speed Steel DMO5
- Manufactured of high-speed steel EMO5 Co5
- titanium-nitride coated
- Increased hardness at the cutting lips
- 3-cutting edges-geometry
- Radial- and axial relief-grinded
- Parallel shank, tolerance h8
- Chatter-free operation
- No tooling marks
- Accurate centreing
- The countersink is suitable for tough materials
- Excellent chip clearance
- For sinkings according to DIN 74 AF/BF and 75 AF/BFF

Qualität	Ref.	Countersink-Range ø	Content
HSS/TIN	M.3030001	6.0 - 19.0 mm	ø 6.0; ø 8.0; ø 10.0; ø 11.5; ø 15.0; ø 19.0 mm
HSS/TIN	M.3030004	6.0 - 25.0 mm	ø 6.0; ø 8.0; ø 10.0; ø 11.5; ø 15.0; ø 19.0; ø 25.0 mm
HSS/TIN	M.3030002	6.3 - 20.5 mm	ø 6.3; ø 8.3; ø 10.4; ø 12.4; ø 16.5; ø 20.5 mm
HSS/TIN	M.3030003	6.3 - 25.0 mm	ø 6.3; ø 8.3; ø 10.4; ø 12.4; ø 16.5; ø 20.5; ø 25.0 mm
HSS/Co/TIN	M.4030001	6.0 - 19.0 mm	ø 6.0; ø 8.0; ø 10.0; ø 11.5; ø 15.0; ø 19.0 mm
HSS/Co/TIN	M.4030004	6.0 - 25.0 mm	ø 6.0; ø 8.0; ø 10.0; ø 11.5; ø 15.0; ø 19.0; ø 25.0 mm
HSS/Co/TIN	M.4030002	6.3 - 20.5 mm	ø 6.3; ø 8.3; ø 10.4; ø 12.4; ø 16.5; ø 20.5 mm
HSS/Co/TIN	M.4030003	6.3 - 25.0 mm	ø 6.3; ø 8.3; ø 10.4; ø 12.4; ø 16.5; ø 20.5; ø 25.0 mm

# COUNTERSINK WITH CROSS HOLE

## Precision - Countersink

with cross hole; 90 degrees



Manufactured of high-speed steel DMo5  
Manufactured of high-speed steel EMO5 Co5

- 1-cutting edge geometry
- Axial relief-grinded
- Parallel shank, tolerance h8
- Chatter-free operation
- No tooling marks
- Accurate centreing
- The countersink is suitable for almost all materials
- Excellent chip clearance
- Regrindable

Quality	Ref.	Countersink-Range $\phi$	Smallest $\phi$	Shank $\phi$	l—mm—l
HSS	M.1070000	1.0 - 4.0 mm	1.0 mm	6 mm	46
HSS	M.1070001	2.0 - 5.0 mm	2.0 mm	6 mm	45
HSS	M.1070022	5.0 - 10.0 mm	4.0 mm	6 mm	48
HSS	M.1070002	5.0 - 10.0 mm	4.0 mm	8 mm	48
HSS	M.1070003	10.0 - 15.0 mm	8.0 mm	10 mm	65
HSS	M.1070004	15.0 - 20.0 mm	11.0 mm	12 mm	85
HSS	M.1070005	20.0 - 25.0 mm	16.0 mm	15 mm	95
HSS	M.1070006	25.0 - 30.0 mm	21.0 mm	15 mm	100
HSS	M.1070007	30.0 - 35.0 mm	26.0 mm	15 mm	110
HSS	M.1070008	35.0 - 40.0 mm	31.0 mm	15 mm	120
HSS/Co	M.2070001	2.0 - 5.0 mm	2.0 mm	6 mm	45
HSS/Co	M.2070022	5.0 - 10.0 mm	4.0 mm	6 mm	48
HSS/Co	M.2070002	5.0 - 10.0 mm	4.0 mm	8 mm	48
HSS/Co	M.2070003	10.0 - 15.0 mm	8.0 mm	10 mm	65
HSS/Co	M.2070004	15.0 - 20.0 mm	11.0 mm	12 mm	85

## Precision - Countersink Set

with cross hole; 90 degrees



In industrial steel-case  
Manufactured of high-speed steel DMo5  
Manufactured of high-speed steel EMO5 Co5

- 1-cutting edge geometry
- Axial relief-grind
- Parallel shank, tolerance h8
- Chatter-free operation
- No tooling marks
- Accurate centreing
- The countersink is suitable for almost all materials
- Excellent chip clearance
- Regrindable

Quality	Ref.	Countersink-Range $\phi$	Content
HSS	M.1070100	2.0 - 20.0 mm	$\phi$ 2-5; $\phi$ 5-10; $\phi$ 10-15, $\phi$ 15-20 mm
HSS	M.1070200	2.0 - 25.0 mm	$\phi$ 2-5; $\phi$ 5-10; $\phi$ 10-15, $\phi$ 15-20; $\phi$ 20-25 mm
HSS/Co	M.2070100	2.0 - 20.0 mm	$\phi$ 2-5; $\phi$ 5-10; $\phi$ 10-15, $\phi$ 15-20 mm