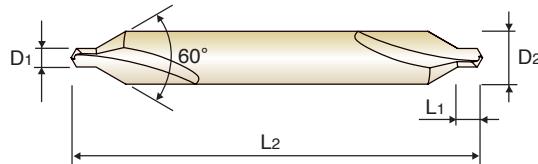




CENTER DRILLS

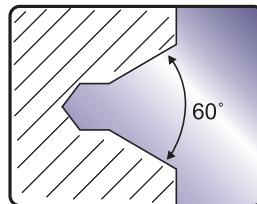
D5303 SERIES

CARBIDE, CENTER DRILLS
VOLLHARTMETALL ZENTRIERBOHRER

DIN 333 MG h8 k12 120°

FORM A (60°)

EDP No.	Drill Diameter	Shank Diameter	Pilot Length	Overall Length
	D1	D2	L1	L2
D5303010	1.0	3.15	1.3	31.5
D5303912	1.25	3.15	1.6	31.5
D5303016	1.6	4	2	35.5
D5303020	2.0	5	2.5	40
D5303025	2.5	6.3	3.1	45
D5303931	3.15	8	3.9	50
D5303040	4.0	10	5	56
D5303050	5.0	12.5	6.3	63
D5303063	6.3	16	8	71



CUTTING CONDITIONS

WORK MATERIAL	MILD STEEL		ALLOY STEEL				STAINLESS STEEL	
	HARDNESS	< 700 N/mm ²	~ HRc 23		~ HRc 32			
DIAMETER	SPEED	FEED	SPEED	FEED	SPEED	FEED	SPEED	FEED
1.0	30 ~ 50	0.01~0.03	30 ~ 50	0.01~0.03	20 ~ 40	0.01~0.03	15 ~ 25	0.01~0.03
2.0		0.01~0.035		0.01~0.035		0.01~0.035		0.01~0.035
3.0		0.015~0.05		0.015~0.05		0.015~0.05		0.015~0.05
4.0		0.02~0.06		0.02~0.06		0.02~0.06		0.02~0.06
5.0		0.03~0.07		0.03~0.07		0.03~0.07		0.03~0.07
6.0		0.04~0.07		0.04~0.07		0.04~0.07		0.04~0.07

SPEED(Shank Dia.) = m/min

FEED(Drill Dia.) = mm/rev

◎ : Excellent ○ : Good

Carbon Steels	Alloy Steels	Prehardened Steels	Hardened Steels		Cast Iron	Aluminum	Stainless Steels	Titanium	Mild Steels	Copper	Bronze	CFRP
~HB225	HB225~325	HRc30~45	HRc45~55	HRc55~								
○	○	○			○	○	○	○	○	○	○	