

Size $\varnothing 3 \sim \varnothing 12$

DCRS

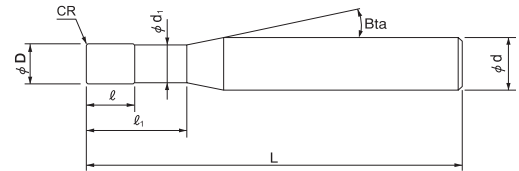


Material Applications (★ Highly Recommended ● Recommended ○ Suggested)

Work Material												
CARBON STEELS	ALLOY STEELS	PRE-HARDENED STEELS	HARDENED STEELS			ALUMINUM ALLOYS	GRAPHITE	COPPER	PLASTICS	GLASS FILLED PLASTICS	TITANIUM	HARD BRITTLE
			(-55HRC)	(-60HRC)	(-70HRC)							
						○	★	○	○	●		○

Features

Diamond coated 2 flutes for Graphite electrodes.
A highly adhesive coating base, offers stability and excellent wear resistance for high efficiency milling on Graphite.
With up to 20x longer tool life over uncoated tools.



Model Number	Outside Diameter $\varnothing D$	Corner Radius CR	Effective Length l_1	Length of Cut l	Neck Diameter $\varnothing d_1$	Overall Length L	Shank Diameter $\varnothing d$	Price €
DCRS 2030-050-015	3	R0.5	15	6	2.9	40	3	
DCRS 2030-050-030		R0.5	30			60		
DCRS 2040-050-015	4	R0.5	15	6	3.9	40	4	
DCRS 2040-050-030		R0.5	30			60		
DCRS 2050-050-015	5	R0.5	15	6	4.9	40	5	
DCRS 2050-050-040		R0.5	40			70		
DCRS 2060-050-030	6	R0.5	30	10	5.9	55	6	
DCRS 2060-100-030		R1	30			55		
DCRS 2060-050-060		R0.5	60			100		
DCRS 2060-100-060		R1	60			100		
DCRS 2080-050-035	8	R0.5	35	10	7.8	65	8	
DCRS 2080-100-035		R1	35			65		
DCRS 2080-050-060		R0.5	60			100		
DCRS 2080-100-060		R1	60			100		
DCRS 2100-050-040	10	R0.5	40	10	9.8	75	10	
DCRS 2100-100-040		R1	40			75		
DCRS 2100-050-060		R0.5	60			100		
DCRS 2100-100-060		R1	60			100		
DCRS 2100-100-100		R1	100	25	9.6	150	10	
DCRS 2120-050-040	12	R0.5	40	10	11.8	75	12	
DCRS 2120-100-040		R1	40			75		
DCRS 2120-050-060		R0.5	60			100		
DCRS 2120-100-060		R1	60			100		
DCRS 2120-100-100		R1	100			30		11.6

Size $\varnothing 0.2 \sim \varnothing 0.8$

DCLRS

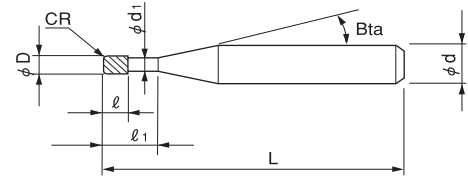


Material Applications (★ Highly Recommended ● Recommended ○ Suggested)

Work Material												
CARBON STEELS	ALLOY STEELS	PRE-HARDENED STEELS	HARDENED STEELS			ALUMINUM ALLOYS	GRAPHITE	COPPER	PLASTICS	GLASS FILLED PLASTICS	TITANIUM	HARD BRITTLE
			(-55HRC)	(-60HRC)	(-70HRC)							
						○	★	○	○	●		○

Features

Diamond coated 2 flutes corner radius designed for Graphite electrodes. A highly adhesive coating base, offers stability and excellent wear resistance for high efficiency milling on Graphite. With up to 20x longer tool life over uncoated tools.



Model Number	Outside Diameter $\varnothing D$	Corner Radius CR	Effective Length l_1	Length of Cut l	Neck Diameter $\varnothing d_1$	Shank Taper Angle Bta	Overall Length L	Shank Diameter $\varnothing d$	Price €
DCLRS 2002-000-005	0.2	-	0.5	0.3	0.16	16°	45	4	
DCLRS 2002-000-010			1				45	4	
DCLRS 2002-000-015			1.5				45	4	
DCLRS 2003-000-010	0.3	-	1	0.45	0.26	16°	45	4	
DCLRS 2003-000-020			2				45	4	
DCLRS 2003-000-030			3				45	4	
DCLRS 2004-000-020	0.4	-	2	0.6	0.36	16°	45	4	
DCLRS 2004-000-030			3				45	4	
DCLRS 2004-000-040			4				45	4	
DCLRS 2004-000-050			5				45	4	
DCLRS 2005-005-020	0.5	R0.05	2	0.7	0.46	16°	45	4	
DCLRS 2005-005-040			4				45	4	
DCLRS 2005-005-060			6				45	4	
DCLRS 2005-005-080			8				45	4	
DCLRS 2005-005-100			10				45	4	
DCLRS 2006-005-040	0.6	R0.05	4	0.9	0.56	16°	45	4	
DCLRS 2006-005-080			8				45	4	
DCLRS 2006-005-100			10				45	4	
DCLRS 2008-010-040	0.8	R0.1	4	1.2	0.76	16°	45	4	
DCLRS 2008-010-080			8				45	4	
DCLRS 2008-010-100			10				45	4	
DCLRS 2008-010-120			12				45	4	

Size \varnothing 1.0 ~ \varnothing 1.8

Model Number	Outside Diameter \varnothing D	Corner Radius CR	Effective Length l_1	Length of Cut l	Neck Diameter \varnothing d ₁	Shank Taper Angle Bta	Overall Length L	Shank Diameter \varnothing d	Price €
DCLRS 2010-010-040	1	R0.1	4	1.5	0.90	16°	45	4	
DCLRS 2010-010-060			6				45		
DCLRS 2010-010-080			8				45		
DCLRS 2010-010-100			10				45		
DCLRS 2010-010-120			12				45		
DCLRS 2010-010-160			16				50		
DCLRS 2010-010-200			20				55		
DCLRS 2010-025-040	1	R0.25	4	1.5	0.90	16°	45	4	
DCLRS 2010-025-060			6				45		
DCLRS 2010-025-080			8				45		
DCLRS 2010-025-100			10				45		
DCLRS 2010-025-120			12				45		
DCLRS 2010-025-160			16				50		
DCLRS 2010-025-200			20				55		
DCLRS 2012-010-060	1.2	R0.1	6	1.8	1.08	16°	45	4	
DCLRS 2012-010-100			10				45		
DCLRS 2012-010-160			16				45		
DCLRS 2012-025-060	1.2	R0.25	6	1.8	1.08	16°	45	4	
DCLRS 2012-025-100			10				45		
DCLRS 2012-025-160			16				45		
DCLRS 2014-015-060	1.4	R0.15	6	1.8	1.28	16°	45	4	
DCLRS 2014-015-120			12				45		
DCLRS 2014-015-160			16				45		
DCLRS 2015-015-060	1.5	R0.15	6	2.2	1.40	16°	45	4	
DCLRS 2015-015-080			8				45		
DCLRS 2015-015-100			10				45		
DCLRS 2015-015-120			12				45		
DCLRS 2015-015-160			16				50		
DCLRS 2015-015-200			20				55		
DCLRS 2015-015-300			30				70		
DCLRS 2015-050-060	1.5	R0.5	6	2.2	1.40	16°	45	4	
DCLRS 2015-050-080			8				45		
DCLRS 2015-050-100			10				45		
DCLRS 2015-050-120			12				45		
DCLRS 2015-050-160			16				50		
DCLRS 2015-050-200			20				55		
DCLRS 2015-050-300			30				70		
DCLRS 2018-020-300	1.8	R0.2	8	2.7	1.70	16°	45	4	
DCLRS 2018-020-300			12				45		
DCLRS 2018-020-300			16				50		
DCLRS 2018-020-300			20				55		



Size Ø 2 ~ Ø 4

Model Number	Outside Diameter Ø D	Corner Radius CR	Effective Length l_1	Length of Cut l	Neck Diameter Ø d ₁	Shank Taper Angle Bta	Overall Length L	Shank Diameter Ø d	Price €
DCLRS 2020-020-060	2	R0.2	6	3	1.84	16°	45	4	
DCLRS 2020-020-080			8				45	4	
DCLRS 2020-020-120			12				45	4	
DCLRS 2020-020-160			16				50	4	
DCLRS 2020-020-200			20				55	4	
DCLRS 2020-020-250			25				60	4	
DCLRS 2020-020-300			30				70	4	
DCLRS 2020-050-060	2	R0.5	6	3	1.84	16°	45	4	
DCLRS 2020-050-080			8				45	4	
DCLRS 2020-050-120			12				45	4	
DCLRS 2020-050-160			16				50	4	
DCLRS 2020-050-200			20				55	4	
DCLRS 2020-050-250			25				60	4	
DCLRS 2020-050-300			30				70	4	
DCLRS 2025-020-100	2.5	R0.2	10	3	2.34	16°	45	4	
DCLRS 2025-020-160			16				50	4	
DCLRS 2025-020-200			20				55	4	
DCLRS 2025-020-300			30				70	4	
DCLRS 2025-050-100	2.5	R0.5	10	3	2.34	16°	45	4	
DCLRS 2025-050-160			16				50	4	
DCLRS 2025-050-200			20				55	4	
DCLRS 2025-050-300			30				70	4	
DCLRS 2030-020-080	3	R0.2	8	3	2.84	16°	50	6	
DCLRS 2030-020-120			12				50	6	
DCLRS 2030-020-160			16				60	6	
DCLRS 2030-020-200			20				60	6	
DCLRS 2030-020-250			25				70	6	
DCLRS 2030-020-300			30				70	6	
DCLRS 2030-020-350			35				80	6	
DCLRS 2030-020-400			40				80	6	
DCLRS 2030-050-080	3	R0.5	8	3	2.84	16°	50	6	
DCLRS 2030-050-120			12				50	6	
DCLRS 2030-050-160			16				60	6	
DCLRS 2030-050-200			20				60	6	
DCLRS 2030-050-250			25				70	6	
DCLRS 2030-050-300			30				70	6	
DCLRS 2030-100-080	3	R1	8	3	2.84	16°	50	6	
DCLRS 2030-100-120			12				50	6	
DCLRS 2030-100-160			16				60	6	
DCLRS 2030-100-200			20				60	6	
DCLRS 2030-100-250			25				70	6	
DCLRS 2030-100-300			30				70	6	



Size Ø 4 ~ Ø 6

Model Number	Outside Diameter Ø D	Corner Radius CR	Effective Length l_1	Length of Cut l	Neck Diameter Ø d ₁	Shank Taper Angle Bta	Overall Length L	Shank Diameter Ø d	Price €
DCLRS 2040-020-040	4	R0.2	4	4	3.84	16°	50	6	
DCLRS 2040-020-120			12				50		
DCLRS 2040-020-160			16				60		
DCLRS 2040-020-200			20				60		
DCLRS 2040-020-250			25				70		
DCLRS 2040-020-300			30				70		
DCLRS 2040-020-350			35				80		
DCLRS 2040-020-400			40				80		
DCLRS 2040-020-450			45				90		
DCLRS 2040-020-500			50				100		
DCLRS 2040-050-120			4				R0.5		12
DCLRS 2040-050-160	16	60							
DCLRS 2040-050-200	20	60							
DCLRS 2040-050-250	25	70							
DCLRS 2040-050-300	30	70							
DCLRS 2040-050-400	40	80							
DCLRS 2040-050-500	50	100							
DCLRS 2040-100-120	4	R1	12	4	3.84	16°	50	6	
DCLRS 2040-100-160			16				60		
DCLRS 2040-100-200			20				60		
DCLRS 2040-100-250			25				70		
DCLRS 2040-100-300			30				70		
DCLRS 2050-020-050	5	R0.2	5	5	4.84	16°	50	6	
DCLRS 2050-020-160			16				60		
DCLRS 2050-020-250			25				60		
DCLRS 2050-020-400			40				80		
DCLRS 2050-050-160	5	R0.5	16	5	4.84	16°	60	6	
DCLRS 2050-050-250			25				60		
DCLRS 2050-050-400			40				80		
DCLRS 2050-100-160	5	R1	16	5	4.84	16°	60	6	
DCLRS 2050-100-250			25				60		
DCLRS 2050-100-400			40				80		
DCLRS 2060-020-060	6	R0.2	6	6	5.84	-	50	6	
DCLRS 2060-020-200			20				80		
DCLRS 2060-020-300			30				80		
DCLRS 2060-020-500			50				120		
DCLRS 2060-050-200	6	R0.5	20	6	5.84	-	80	6	
DCLRS 2060-050-300			30				80		
DCLRS 2060-050-500			50				120		
DCLRS 2060-100-200	6	R1	20	6	5.84	-	80	6	
DCLRS 2060-100-300			30				80		
DCLRS 2060-100-500			50				120		



Size R 0.1 ~ R 0.4

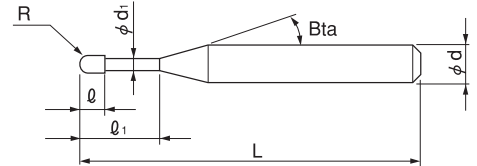
DCLB

Material Applications (★ Highly Recommended ● Recommended ○ Suggested)

Work Material												
CARBON STEELS	ALLOY STEELS	PRE-HARDENED STEELS	HARDENED STEELS			ALUMINUM ALLOYS	GRAPHITE	COPPER	PLASTICS	GLASS FILLED PLASTICS	TITANIUM	HARD BRITTLE
			(-55HRC)	(-60HRC)	(-70HRC)							
						○	★	○	○	●		○

Features

Diamond coated 2 flutes ball for Graphite electrodes.
 A highly adhesive coating base, offers stability and excellent wear resistance for high efficiency milling on Graphite.
 With up to 20x longer tool life over uncoated tools.



Model Number	Radius of Ball Nose R	Effective Length l_1	Length of Cut l	Neck Diameter $\varnothing d_1$	Shank Taper Angle Bta	Overall Length L	Shank Diameter $\varnothing d$	Price €
DCLB 2002-0005	R0.1	0.5	0.16	0.14	16°	45	4	
DCLB 2002-0010		1				45	4	
DCLB 2002-0015		1.5				45	4	
DCLB 2002-0020		2				45	4	
DCLB 2002-0030		3				45	4	
DCLB 2003-0010	R0.15	1	0.24	0.24	16°	45	4	
DCLB 2003-0020		2				45	4	
DCLB 2003-0030		3				45	4	
DCLB 2004-0010	R0.2	1	0.32	0.34	16°	45	4	
DCLB 2004-0020		2				45	4	
DCLB 2004-0030		3				45	4	
DCLB 2004-0050		5				45	4	
DCLB 2005-0020	R0.25	2	0.40	0.44	16°	45	4	
DCLB 2005-0030		3				45	4	
DCLB 2005-0060		6				45	4	
DCLB 2005-0100		10				50	4	
DCLB 2006-0030	R0.3	3	0.48	0.54	16°	45	4	
DCLB 2006-0060		6				45	4	
DCLB 2006-0100		10				50	4	
DCLB 2006-0120		12				50	4	
DCLB 2008-0020	R0.4	2	0.64	0.74	16°	45	4	
DCLB 2008-0040		4				45	4	
DCLB 2008-0080		8				45	4	
DCLB 2008-0120		12				50	4	

Size R 0.5 ~ R 3

Model Number	Radius of Ball Nose R	Effective Length l_1	Length of Cut l	Neck Diameter $\varnothing d_1$	Shank Taper Angle Bta	Overall Length L	Shank Diameter $\varnothing d$	Price €
DCLB 2010-0025	R0.5	2.5	0.80	0.92	16°	45	4	
DCLB 2010-0050		5				45	4	
DCLB 2010-0100		10				45	4	
DCLB 2010-0120		12				45	4	
DCLB 2010-0160		16				50	4	
DCLB 2010-0200		20				55	4	
DCLB 2012-0060	R0.6	6	0.96	1.08	16°	45	4	
DCLB 2012-0100		10				45	4	
DCLB 2012-0160		16				50	4	
DCLB 2012-0200		20				60	4	
DCLB 2015-0030	R0.75	3	1.12	1.38	16°	45	4	
DCLB 2015-0060		6				45	4	
DCLB 2015-0100		10				45	4	
DCLB 2015-0160		16				50	4	
DCLB 2015-0200		20				55	4	
DCLB 2018-0080	R0.9	8	1.44	1.68	16°	45	4	
DCLB 2018-0120		12				45	4	
DCLB 2018-0200		20				55	4	
DCLB 2020-0040	R1.0	4	1.60	1.80	16°	45	4	
DCLB 2020-0080		8				45	4	
DCLB 2020-0100		10				45	4	
DCLB 2020-0120		12				45	4	
DCLB 2020-0160		16				50	4	
DCLB 2020-0200		20				55	4	
DCLB 2020-0250		25				65	4	
DCLB 2020-0300		30				70	4	
DCLB 2020-0400		40				80	4	
DCLB 2030-0160		R1.5				16	2.40	2.80
DCLB 2030-0250	25		70	6				
DCLB 2030-0400	40		80	6				
DCLB 2040-0160	R2.0	16	3.20	3.80	16°	70	6	
DCLB 2040-0300		30				70	6	
DCLB 2040-0500		50				100	6	
DCLB 2050-0200	R2.5	20	4.00	4.80	16°	70	6	
DCLB 2050-0300		30				80	6	
DCLB 2060-0300	R3.0	30	4.80	5.80	-	80	6	
DCLB 2060-0500		50				120	6	



Size R 0.5 ~ R 6

DCB

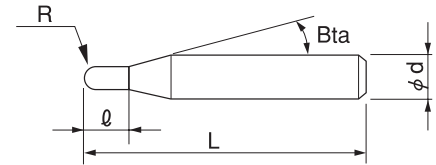


Material Applications (★ Highly Recommended ● Recommended ○ Suggested)

Work Material												
CARBON STEELS	ALLOY STEELS	PRE-HARDENED STEELS	HARDENED STEELS			ALUMINUM ALLOYS	GRAPHITE	COPPER	PLASTICS	GLASS FILLED PLASTICS	TITANIUM	HARD BRITTLE
			(~55HRC)	(~60HRC)	(~70HRC)							
						○	★	○	○	●		○

Features

Diamond coated 2 flutes ball for Graphite electrodes.
A highly adhesive coating base, offers stability and excellent wear resistance for high efficiency milling on Graphite.
With up to 20x longer tool life over uncoated tools.



Model Number	Radius of Ball Nose R	Length of Cut l	Shank Taper Angle Bta	Overall Length L	Shank Diameter $\varnothing d$	Price €
DCB 2010-0020	R0.5	2	16°	40	3	
DCB 2010-0050		5		40	3	
DCB 2015-0030	R0.75	3	16°	40	3	
DCB 2015-0060		6		40	3	
DCB 2020-0040	R1	4	16°	40	3	
DCB 2020-0090		9		40	3	
DCB 2025-0030	R1.25	3	16°	40	3	
DCB 2030-0080	R1.5	8	-	40	3	
DCB 2030-0200		20		60	3	
DCB 2040-0140	R2	14	-	50	4	
DCB 2040-0300		30		60	4	
DCB 2050-0200	R2.5	20	-	50	5	
DCB 2050-0350		35		70	5	
DCB 2060-0200	R3	20	-	65	6	
DCB 2060-0400		40		100	6	
DCB 2080-0200	R4	20	-	65	8	
DCB 2080-0400		40		100	8	
DCB 2100-0250	R5	25	-	75	10	
DCB 2100-0400		40		100	10	
DCB 2120-0250	R6	25	-	75	12	
DCB 2120-0450		45		100	12	



Size R 1.5 ~ R 6

DCBL

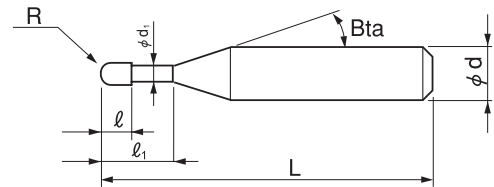


Material Applications (★ Highly Recommended ● Recommended ○ Suggested)

Work Material												
CARBON STEELS	ALLOY STEELS	PRE-HARDENED STEELS	HARDENED STEELS			ALUMINUM ALLOYS	GRAPHITE	COPPER	PLASTICS	GLASS FILLED PLASTICS	TITANIUM	HARD BRITTLE
			(-55HRC)	(-60HRC)	(-70HRC)							
						○	★	○	○	●		○

Features

Diamond coated 2 flute ball for Graphite electrodes.
A highly adhesive coating base, offers stability and excellent wear resistance for high efficiency milling on Graphite.
With up to 20x longer tool life over uncoated tools.



Model Number	Radius of Ball Nose R	Effective Length l_1	Length of Cut l	Neck Diameter $\varnothing d_1$	Overall Length L	Shank Diameter $\varnothing d$	Price €
DCBL 2030-0150	R1.5	15	6	2.9	40	3	
DCBL 2030-0300		30			60		
DCBL 2040-0150	R2	15	6	3.9	40	4	
DCBL 2040-0300		30			60		
DCBL 2050-0150	R2.5	15	8	4.9	40	5	
DCBL 2050-0400		40			70		
DCBL 2060-0300	R3	30	10	5.9	55	6	
DCBL 2060-0600		60			100		
DCBL 2080-0350	R4	35	10	7.8	65	8	
DCBL 2080-0600		60			100		
DCBL 2100-0400	R5	40	10	9.8	75	10	
DCBL 2100-0600		60			100		
DCBL 2100-1000		100	25		150		
DCBL 2120-0400	R6	40	10	11.8	75	12	
DCBL 2120-0600		60			100		
DCBL 2120-1000		100	25		150		



Size R 3 ~ R 6

DBR

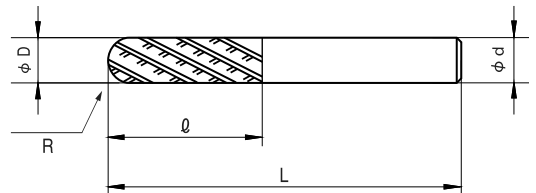


Material Applications (★ Highly Recommended ● Recommended ○ Suggested)

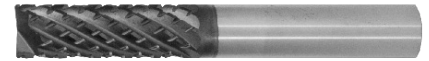
Work Material												
CARBON STEELS	ALLOY STEELS	PRE-HARDENED STEELS	HARDENED STEELS			ALUMINUM ALLOYS	GRAPHITE	COPPER	PLASTICS	GLASS FILLED PLASTICS	TITANIUM	HARD BRITTLE
			(-55HRC)	(-60HRC)	(-70HRC)							
						○	★	○	○	●		○

Features

Diamond coated 2 flutes ball for Graphite electrodes.
 A highly adhesive coating base, offers stability and excellent wear resistance for high efficiency milling on Graphite.
 With up to 20x longer tool life over uncoated tools.



Model Number	Radius of Ball Nose R	Length of Cut l	Outside Diameter Ø D	Overall Length L	Shank Diameter Ø d	Price €
DBR 060-020	R3	20	6	55	6	
DBR 060-032		32		75		
DBR 080-025	R4	25	8	65	8	
DBR 080-040		40		80		
DBR 100-025	R5	25	10	75	10	
DBR 100-040		40		100		
DBR 120-025	R6	25	12	75	12	
DBR 120-040		40		100		



Size R 3 ~ R 6

DFR

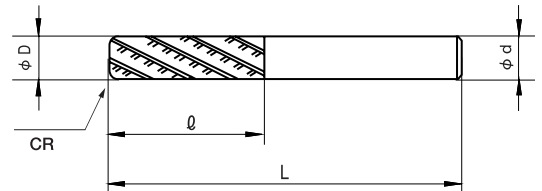


Material Applications (★ Highly Recommended ● Recommended ○ Suggested)

Work Material												
CARBON STEELS	ALLOY STEELS	PRE-HARDENED STEELS	HARDENED STEELS			ALUMINUM ALLOYS	GRAPHITE	COPPER	PLASTICS	GLASS FILLED PLASTICS	TITANIUM	HARD BRITTLE
			(~55HRC)	(~60HRC)	(~70HRC)							
						○	★	○	○	●		○

Features

Diamond coated 2 flutes ball for Graphite electrodes.
 A highly adhesive coating base, offers stability and excellent wear resistance for high efficiency milling on Graphite.
 With up to 20x longer tool life over uncoated tools.



Model Number	Outside Diameter Ø D	Length of Cut l	Corner Radius CR	Overall Length L	Shank Diameter Ø d	Price €
DFR 060-020	6	20	0,50	55	6	
DFR 060-032		32		75		
DFR 080-025	8	25	0,50	65	8	
DFR 080-040		40		80		
DFR 100-025	10	25	0,50	75	10	
DFR 100-040		40		100		
DFR 120-025	12	25	0,50	75	12	
DFR 120-040		40		100		

