

MPS1

HIGH PERFORMANCE
SOLID CARBIDE DRILL



MPS1

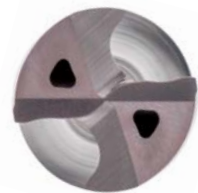
HIGH PERFORMANCE SOLID CARBIDE DRILL



LxDC 3 — 8

STRONG CUTTING EDGE

For high performance drilling



LxDC 10 — 40
LxDC 2 (PC)

OPTIMIZED GEOMETRY

For extra deep hole drilling
and optimal hole quality

DP1021

New ALTiCrN PVD coating technology ensures a long tool life and high productivity in standard and high cutting speeds. Suitable in steels, stainless steels and cast iron.

ACCURACY

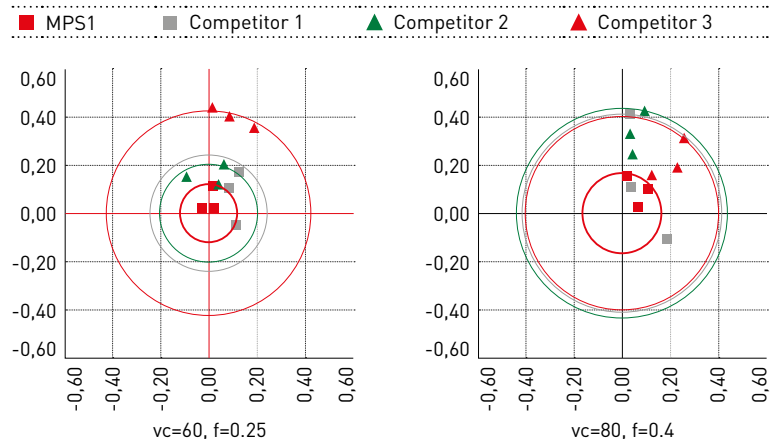
The double margin and Tri-Coolant Technology helps to provide high quality hole surface finishes.



- Increased coolant volume
- Optimized flow at the margin
- Faster chip evacuation

STABILITY (CAE ANALYSIS)

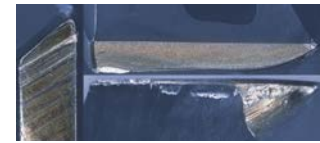
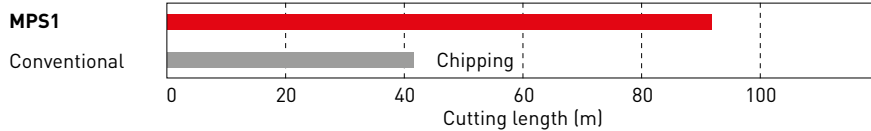
MPS1 super long drill is designed to achieve 20% higher flexing strength by optimizing the core diameter and the helix angle.



APPLICATION EXAMPLES

TOOL LIFE TEST Ø8 MM AT STANDARD CUTTING CONDITIONS

Work material	DIN C50
Hole depth (mm)	40
Cutting speed Vc (m/min)	120
Feed per revolution f (mm/rev)	0.25
Coolant	W.S.O.
Machine	Vertical M/C
Result	Tool life of MPS1 was 2.5 times longer.



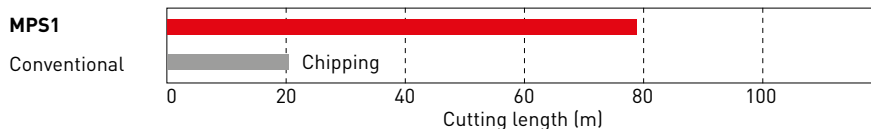
MPS1



Competitor

TOOL LIFE TEST Ø8 MM AT HIGH-SPEED CUTTING CONDITIONS

Work material	DIN C50
Hole depth (mm)	40
Cutting speed Vc (m/min)	200
Feed per revolution f (mm/rev)	0.35
Coolant	W.S.O.
Machine	Vertical M/C
Result	Tool life of MPS1 was 4 times longer.



MPS1

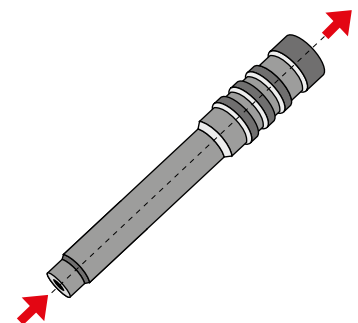
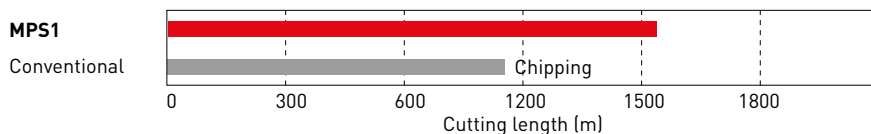


Competitor

SUPERLONG DRILLS

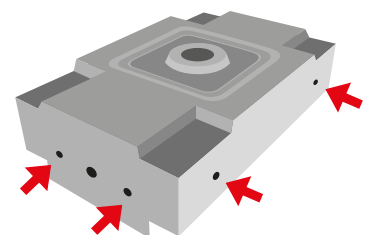
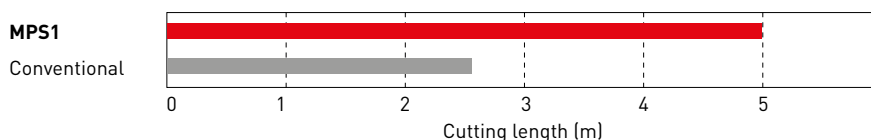
DRILLING OF THROUGH CENTRE HOLE

Tool	MPS1-0380-L12C
Work material	115MnPb30
Hole depth (mm)	45 (12 l/d)
Cutting speed Vc (m/min)	75
Feed per revolution f (mm/rev)	0.135
Machine	Sliding Headstock Swiss Machine
Result	Tool life of MPS1 was 36% longer.



DRILLING OF COOLING HOLES

Tool	MPS1-0800-L30C
Work material	CR7 V-L (Cold work steel, 1130 N/mm²)
Hole depth (mm)	250 (30 l/d)
Cutting speed Vc (m/min)	120
Feed per revolution f (mm/rev)	0.35
Machine	Horizontal machining centre
Result	Tool life of MPS1 was 2 times longer. Hole axial straightness less than 0.15mm.



MPS1

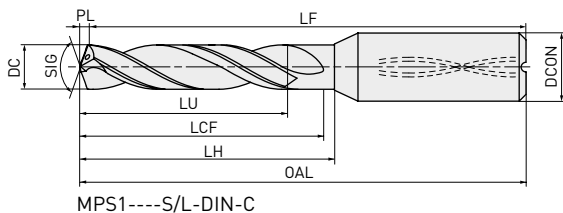
SOLID CARBIDE DRILL



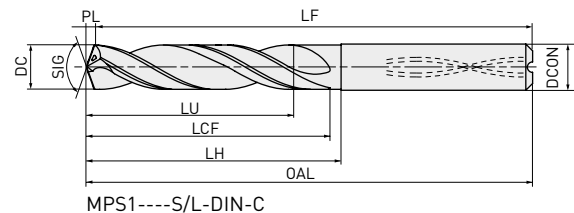
P M K

	3<DC≤6	6<DC≤10	10<DC≤18	18<DC≤20
DC Tolerance (DIN / PC)	+0.010	+0.010	+0.005	+0.005
(mm)	-0.002	-0.005	-0.013	-0.016
DC Tolerance (L_C)	0	0	0	0
(mm)	-0.012	-0.015	-0.018	-0.021
DCON Tolerance	0	0	0	0
(mm)	-0.008	-0.009	-0.011	-0.013

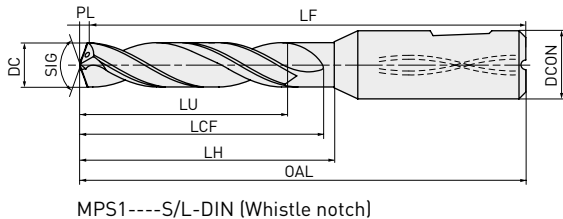
- Type 1 Cylindrical shank type with taper neck



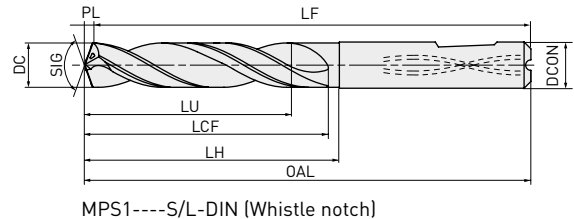
- Type 2 Cylindrical shank type



- Type 3 Whistle notch shank type with taper neck



- Type 4 Whistle notch shank type



- * The coolant holes of drills DC ø4.9 mm or less will be a circular geometry.
- * SIG : L/d 3-5 and 10-40 = 140°, 8 = 135°, PC = 145°

Order Number	DC	L/d	OAL	LU	LCF	LH	LF	PL	DCON	DP1021	Type
MPS1-0300S-DIN	3	62	15.0	20	26	61.5	0.5	6	6	1	3
MPS1-0300S-DIN-C	3	62	15.0	20	26	61.5	0.5	6	6	1	3
MPS1-0300L-DIN	5	66	20.0	25	30	65.5	0.5	6	6	1	3
MPS1-0300L-DIN-C	5	66	20.0	25	30	65.5	0.5	6	6	1	3
NEW MPS1-0300-PC	2	55	6.5	16.5	19.22	55	0.5	6	6	1	1
MPS1-0300-L8C	8	77	24.6	34	41	76	0.5	6	6	1	1
NEW MPS1-0300-L10C	10	80	30.5	37.5	43	79	0.5	6	6	1	1
NEW MPS1-0300-L12C	12	86	36.5	43.5	49	85	0.5	6	6	1	1
NEW MPS1-0300-L15C	15	95	45.5	52.5	58	94	0.5	6	6	1	1
NEW MPS1-0300-L20C	20	110	60.5	67.5	73	109	0.5	6	6	1	1
NEW MPS1-0300-L25C	25	125	75.5	82.5	88	124	0.5	6	6	1	1
NEW MPS1-0300-L30C	30	140	90.5	97.5	103	139	0.5	6	6	1	1
NEW MPS1-0300-L35C	35	159	105.5	113.5	122	158	0.5	6	6	1	1
NEW MPS1-0300-L40C	40	174	120.5	128.5	137	173	0.5	6	6	1	1
MPS1-0305S-DIN	3	62	15.0	20	26	61.4	0.6	6	6	1	3
MPS1-0305S-DIN-C	3	62	15.0	20	26	61.4	0.6	6	6	1	3
MPS1-0305L-DIN	5	66	20.0	25	30	65.4	0.6	6	6	1	3
MPS1-0305L-DIN-C	5	66	20.0	25	30	65.4	0.6	6	6	1	3

Order Number	DC	L/d	OAL	LU	LCF	LH	LF	PL	DCON	DP1021	Type
MPS1-0310S-DIN	3	62	14.9	20	26	61.4	0.6	6	6	1	3
MPS1-0310S-DIN-C	3	62	14.9	20	26	61.4	0.6	6	6	1	3
MPS1-0310L-DIN	5	66	19.9	25	30	65.4	0.6	6	6	1	3
MPS1-0310L-DIN-C	5	66	19.9	25	30	65.4	0.6	6	6	1	3
NEW MPS1-0310-PC	2	55	6.7	18.5	21.11	55	0.5	6	6	1	1
MPS1-0310-L8C	8	83	25.4	40	47	82	0.6	6	6	1	1
NEW MPS1-0310-L10C	10	87	31.6	44.6	50	86	0.6	6	6	1	1
NEW MPS1-0310-L12C	12	94	37.8	51.6	57	93	0.6	6	6	1	1
NEW MPS1-0310-L15C	15	104	47.1	61.6	67	103	0.6	6	6	1	1
NEW MPS1-0310-L20C	20	122	62.6	79.6	85	121	0.6	6	6	1	1
NEW MPS1-0310-L25C	25	139	78.1	96.6	102	138	0.6	6	6	1	1
NEW MPS1-0310-L30C	30	157	93.6	114.6	120	156	0.6	6	6	1	1
NEW MPS1-0310-L35C	35	176	109.1	123.6	139	175	0.6	6	6	1	1
NEW MPS1-0310-L40C	40	191	124.6	138.6	154	190	0.6	6	6	1	1

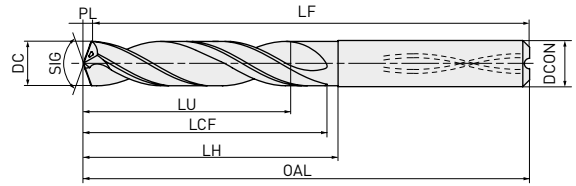


Order Number											DC	U/d	OAL	LU	LCF	LH	LF	PL	DCON	DP1021	Type	
MPS1-0320S-DIN											3	62	14.8	20	26	61.4	0.6	6	6	☐	3	
MPS1-0320S-DIN-C											3	62	14.8	20	26	61.4	0.6	6	6	☒	1	
MPS1-0320L-DIN											5	66	19.8	25	30	65.4	0.6	6	6	☐	3	
MPS1-0320L-DIN-C											5	66	19.8	25	30	65.4	0.6	6	6	☒	1	
MPS1-0320-PC											2	56	6.9	18.5	22	55	0.5	6	6	☐	1	
MPS1-0320-L8C											8	83	26.3	40	47	82	0.6	6	6	☒	1	
MPS1-0320-L10C											3.2	10	87	32.6	44.6	50	86	0.6	6	6	☐	1
MPS1-0320-L12C												12	94	39	51.6	57	93	0.6	6	6	☐	1
MPS1-0320-L15C												15	104	48.6	61.6	67	103	0.6	6	6	☐	1
MPS1-0320-L20C											20	122	64.6	79.6	85	121	0.6	6	6	☐	1	
MPS1-0320-L25C											25	139	80.6	96.6	102	138	0.6	6	6	☐	1	
MPS1-0320-L30C											30	157	96.6	114.6	120	156	0.6	6	6	☐	1	
MPS1-0320-L35C											35	176	112.6	123.6	139	175	0.6	6	6	☐	1	
MPS1-0320-L40C											40	191	128.6	138.6	154	190	0.6	6	6	☐	1	
MPS1-0330S-DIN											3	62	14.7	20	26	61.4	0.6	6	6	☐	3	
MPS1-0330S-DIN-C											3	62	14.7	20	26	61.4	0.6	6	6	☒	1	
MPS1-0330L-DIN											5	66	20.2	25	30	65.4	0.6	6	6	☐	3	
MPS1-0330L-DIN-C											5	66	20.2	25	30	65.4	0.6	6	6	☒	1	
MPS1-0330-PC											2	56	7.1	18.5	21.9	55	0.5	6	6	☐	1	
MPS1-0330-L8C											8	83	27.1	40	47	82	0.6	6	6	☒	1	
MPS1-0330-L10C											3.3	10	87	33.6	44.6	50	86	0.6	6	6	☐	1
MPS1-0330-L12C												12	94	40.2	51.6	57	93	0.6	6	6	☐	1
MPS1-0330-L15C												15	104	50.1	61.6	67	103	0.6	6	6	☐	1
MPS1-0330-L20C											20	122	66.6	79.6	85	121	0.6	6	6	☐	1	
MPS1-0330-L25C											25	139	83.1	96.6	102	138	0.6	6	6	☐	1	
MPS1-0330-L30C											30	157	99.6	114.6	120	156	0.6	6	6	☐	1	
MPS1-0330-L35C											35	176	116.1	132.6	139	175	0.6	6	6	☐	1	
MPS1-0330-L40C											40	191	132.6	148.6	154	190	0.6	6	6	☐	1	
MPS1-0340S-DIN											3	62	14.5	20	26	61.4	0.6	6	6	☐	3	
MPS1-0340S-DIN-C											3	62	14.5	20	26	61.4	0.6	6	6	☒	1	
MPS1-0340L-DIN											5	66	20.0	25	30	65.4	0.6	6	6	☐	3	
MPS1-0340L-DIN-C											5	66	20.0	25	30	65.4	0.6	6	6	☒	1	
MPS1-0340-PC											2	56	7.3	18.5	21.79	55	0.5	6	6	☐	1	
MPS1-0340-L8C											8	83	27.9	40	47	82	0.6	6	6	☒	1	
MPS1-0340-L10C											3.4	10	87	34.6	44.6	50	86	0.6	6	6	☐	1
MPS1-0340-L12C												12	94	41.4	51.6	57	93	0.6	6	6	☐	1
MPS1-0340-L15C												15	104	51.6	61.6	67	103	0.6	6	6	☐	1
MPS1-0340-L20C											20	122	68.6	79.6	85	121	0.6	6	6	☐	1	
MPS1-0340-L25C											25	139	85.6	96.6	102	138	0.6	6	6	☐	1	
MPS1-0340-L30C											30	157	102.6	114.6	120	156	0.6	6	6	☐	1	
MPS1-0340-L35C											35	176	119.6	132.6	139	175	0.6	6	6	☐	1	
MPS1-0340-L40C											40	191	136.6	148.6	154	190	0.6	6	6	☐	1	
MPS1-0350S-DIN											3	62	14.4	20	26	61.4	0.6	6	6	☐	3	
MPS1-0350S-DIN-C											3	62	14.4	20	26	61.4	0.6	6	6	☒	1	
MPS1-0350L-DIN											5	66	19.9	25	30	65.4	0.6	6	6	☐	3	
MPS1-0350L-DIN-C											5	66	19.9	25	30	65.4	0.6	6	6	☒	1	
MPS1-0350-PC											2	56	7.6	18.6	21.68	55	0.6	6	6	☒	1	
MPS1-0350-L8C											8	83	28.7	40	47	82	0.6	6	6	☒	1	
MPS1-0350-L10C											3.5	10	87	35.6	44.6	50	86	0.6	6	6	☐	1
MPS1-0350-L12C												12	94	42.6	51.6	57	93	0.6	6	6	☒	1
MPS1-0350-L15C												15	104	53.1	61.6	67	103	0.6	6	6	☒	1
MPS1-0350-L20C											20	122	70.6	79.6	85	121	0.6	6	6	☒	1	
MPS1-0350-L25C											25	139	88.1	96.6	102	138	0.6	6	6	☒	1	
MPS1-0350-L30C											30	157	105.6	114.6	120	156	0.6	6	6	☒	1	
MPS1-0350-L35C											35	176	123.1	132.6	139	175	0.6	6	6	☐	1	
MPS1-0350-L40C											40	191	140.6	148.6	154	190	0.6	6	6	☒	1	

Order Number												
		DC	I/d	OAL	LU	LCF	LH	LF	PL	DCON	DP1021	Type
	MPS1-0360S-DIN		3	62	14.3	20	26	61.3	0.7	6		3
	MPS1-0360S-DIN-C		3	62	14.3	20	26	61.3	0.7	6		1
	MPS1-0360L-DIN		5	66	19.8	25	30	65.3	0.7	6		3
	MPS1-0360L-DIN-C		5	66	19.8	25	30	65.3	0.7	6		1
NEW	MPS1-0360-PC		2	56	7.8	20.6	23.57	55	0.6	6		1
	MPS1-0360-L8C		8	88	29.5	45	51	87	0.7	6		1
NEW	MPS1-0360-L10C	3.6	10	93	36.7	50.7	56	92	0.7	6		1
NEW	MPS1-0360-L12C		12	101	43.9	58.7	64	100	0.7	6		1
NEW	MPS1-0360-L15C		15	113	54.7	70.7	76	112	0.7	6		1
NEW	MPS1-0360-L20C		20	133	72.7	90.7	96	132	0.7	6		1
NEW	MPS1-0360-L25C		25	153	90.7	110.7	116	152	0.7	6		1
NEW	MPS1-0360-L30C		30	173	108.7	130.7	136	172	0.7	6		1
NEW	MPS1-0360-L35C		35	193	126.7	143.7	156	192	0.7	6		1
NEW	MPS1-0360-L40C	40	213	144.7	160.7	176	212	0.7	6		1	
	MPS1-0370S-DIN		3	62	14.1	20	26	61.3	0.7	6		3
	MPS1-0370S-DIN-C		3	62	14.1	20	26	61.3	0.7	6		1
	MPS1-0370L-DIN		5	66	20.1	26	30	65.3	0.7	6		3
	MPS1-0370L-DIN-C		5	66	20.1	26	30	65.3	0.7	6		1
NEW	MPS1-0370-PC		2	56	8	20.6	23.47	55	0.6	6		1
	MPS1-0370-L8C		8	88	30.4	45	51	87	0.7	6		1
NEW	MPS1-0370-L10C	3.7	10	93	37.7	50.7	56	92	0.7	6		1
NEW	MPS1-0370-L12C		12	101	45.1	58.7	64	100	0.7	6		1
NEW	MPS1-0370-L15C		15	113	56.2	70.7	76	112	0.7	6		1
NEW	MPS1-0370-L20C		20	133	74.7	90.7	96	132	0.7	6		1
NEW	MPS1-0370-L25C		25	153	93.2	110.7	116	152	0.7	6		1
NEW	MPS1-0370-L30C		30	173	111.7	130.7	136	172	0.7	6		1
NEW	MPS1-0370-L35C		35	193	130.2	143.7	156	192	0.7	6		1
NEW	MPS1-0370-L40C	40	213	148.7	160.7	176	212	0.7	6		1	
	MPS1-0380S-DIN		3	66	18.0	24	30	65.3	0.7	6		3
	MPS1-0380S-DIN-C		3	66	18.0	24	30	65.3	0.7	6		1
	MPS1-0380L-DIN		5	74	28.0	34	38	73.3	0.7	6		3
	MPS1-0380L-DIN-C		5	74	28.0	34	38	73.3	0.7	6		1
NEW	MPS1-0380-PC		2	56	8.2	20.6	23.36	55	0.6	6		1
	MPS1-0380-L8C		8	88	31.2	45	51	87	0.7	6		1
NEW	MPS1-0380-L10C	3.8	10	93	38.7	50.7	56	92	0.7	6		1
NEW	MPS1-0380-L12C		12	101	46.3	58.7	64	100	0.7	6		1
NEW	MPS1-0380-L15C		15	113	57.7	70.7	76	112	0.7	6		1
NEW	MPS1-0380-L20C		20	133	76.7	90.7	96	132	0.7	6		1
NEW	MPS1-0380-L25C		25	153	95.7	110.7	116	152	0.7	6		1
NEW	MPS1-0380-L30C		30	173	114.7	130.7	136	172	0.7	6		1
NEW	MPS1-0380-L35C		35	193	133.7	150.7	156	192	0.7	6		1
NEW	MPS1-0380-L40C	40	213	152.7	170.7	176	212	0.7	6		1	
	MPS1-0390S-DIN		3	66	17.9	24	30	65.3	0.7	6		3
	MPS1-0390S-DIN-C		3	66	17.9	24	30	65.3	0.7	6		1
	MPS1-0390L-DIN		5	74	27.9	34	38	73.3	0.7	6		3
	MPS1-0390L-DIN-C		5	74	27.9	34	38	73.3	0.7	6		1
NEW	MPS1-0390-PC		2	56	8.4	20.6	23.25	55	0.6	6		1
	MPS1-0390-L8C		8	88	32.0	45	51	87	0.7	6		1
NEW	MPS1-0390-L10C	3.9	10	93	39.7	50.7	56	92	0.7	6		1
NEW	MPS1-0390-L12C		12	101	47.5	58.7	64	100	0.7	6		1
NEW	MPS1-0390-L15C		15	113	59.2	70.7	76	112	0.7	6		1
NEW	MPS1-0390-L20C		20	133	78.7	90.7	96	132	0.7	6		1
NEW	MPS1-0390-L25C		25	153	98.2	110.7	116	152	0.7	6		1
NEW	MPS1-0390-L30C		30	173	117.7	130.7	136	172	0.7	6		1
NEW	MPS1-0390-L35C		35	193	137.2	150.7	156	192	0.7	6		1
NEW	MPS1-0390-L40C	40	213	156.7	170.7	176	212	0.7	6		1	



MPS1



Order Number	DC	I/d	OAL	LU	LCF	LH	LF	PL	DCON	DP1021	Type
MPS1-0400S-DIN	3	66	17.7	24	30	65.3	0.7	6	6	1	3
MPS1-0400S-DIN-C	3	66	17.7	24	30	65.3	0.7	6	6	1	3
MPS1-0400L-DIN	5	74	27.7	34	38	73.3	0.7	6	6	1	3
MPS1-0400L-DIN-C	5	74	27.7	34	38	73.3	0.7	6	6	1	3
NEW MPS1-0400-PC	2	56	8.6	20.6	23.14	55	0.6	6	6	1	1
MPS1-0400-L8C	8	88	32.8	45	51	87	0.7	6	6	1	1
NEW MPS1-0400-L10C	10	93	40.7	50.7	56	92	0.7	6	6	1	1
NEW MPS1-0400-L12C	12	101	48.7	58.7	64	100	0.7	6	6	1	1
NEW MPS1-0400-L15C	15	113	60.7	70.7	76	112	0.7	6	6	1	1
NEW MPS1-0400-L20C	20	133	80.7	90.7	96	132	0.7	6	6	1	1
NEW MPS1-0400-L25C	25	153	100.7	110.7	116	152	0.7	6	6	1	1
NEW MPS1-0400-L30C	30	173	120.7	130.7	136	172	0.7	6	6	1	1
NEW MPS1-0400-L35C	35	193	140.7	150.7	156	192	0.7	6	6	1	1
NEW MPS1-0400-L40C	40	213	160.7	170.7	176	212	0.7	6	6	1	1
MPS1-0405S-DIN	3	66	17.7	24	30	65.3	0.7	6	6	1	3
MPS1-0405S-DIN-C	3	66	17.7	24	30	65.3	0.7	6	6	1	3
MPS1-0405L-DIN	5	74	27.7	34	38	73.3	0.7	6	6	1	3
MPS1-0405L-DIN-C	5	74	27.7	34	38	73.3	0.7	6	6	1	3
MPS1-0410S-DIN	3	66	17.6	24	30	65.3	0.7	6	6	1	3
MPS1-0410S-DIN-C	3	66	17.6	24	30	65.3	0.7	6	6	1	3
MPS1-0410L-DIN	5	74	27.6	34	38	73.3	0.7	6	6	1	3
MPS1-0410L-DIN-C	5	74	27.6	34	38	73.3	0.7	6	6	1	3
NEW MPS1-0410-PC	2	63	8.8	22.6	25.04	62	0.6	6	6	1	1
MPS1-0410-L8C	8	93	33.6	51	56	92	0.7	6	6	1	1
NEW MPS1-0410-L10C	10	100	41.7	58.7	63	99	0.7	6	6	1	1
NEW MPS1-0410-L12C	12	109	49.7	67.7	72	108	0.7	6	6	1	1
NEW MPS1-0410-L15C	15	122	62.2	80.7	85	121	0.7	6	6	1	1
NEW MPS1-0410-L20C	20	145	82.7	103.7	108	144	0.7	6	6	1	1
NEW MPS1-0410-L25C	25	167	103.2	125.7	130	166	0.7	6	6	1	1
NEW MPS1-0410-L30C	30	190	123.7	148.7	153	189	0.7	6	6	1	1
NEW MPS1-0410-L35C	35	212	144.2	164.7	175	211	0.7	6	6	1	1
NEW MPS1-0410-L40C	40	236	164.7	184.7	199	235	0.7	6	6	1	1
MPS1-0420S-DIN	3	66	17.5	24	30	65.2	0.8	6	6	1	3
MPS1-0420S-DIN-C	3	66	17.5	24	30	65.2	0.8	6	6	1	3
MPS1-0420L-DIN	5	74	28.0	34	38	73.2	0.8	6	6	1	3
MPS1-0420L-DIN-C	5	74	28.0	34	38	73.2	0.8	6	6	1	3
NEW MPS1-0420-PC	2	63	9.1	22.7	24.93	62	0.7	6	6	1	1
MPS1-0420-L8C	8	93	34.5	51	56	92	0.8	6	6	1	1
NEW MPS1-0420-L10C	10	100	42.8	58.8	63	99	0.8	6	6	1	1
NEW MPS1-0420-L12C	12	109	51.2	67.8	72	108	0.8	6	6	1	1
NEW MPS1-0420-L15C	15	122	63.8	80.8	85	121	0.8	6	6	1	1
NEW MPS1-0420-L20C	20	145	84.8	103.8	108	144	0.8	6	6	1	1
NEW MPS1-0420-L25C	25	167	105.8	125.8	130	166	0.8	6	6	1	1
NEW MPS1-0420-L30C	30	190	126.8	148.8	153	189	0.8	6	6	1	1
NEW MPS1-0420-L35C	35	212	147.8	164.8	175	211	0.8	6	6	1	1
NEW MPS1-0420-L40C	40	236	168.8	184.8	199	235	0.8	6	6	1	1

Order Number	DC	I/d	OAL	LU	LCF	LH	LF	PL	DCON	DP1021	Type
MPS1-0430S-DIN	3	66	17.3	24	30	65.2	0.8	6	6	1	3
MPS1-0430S-DIN-C	3	66	17.3	24	30	65.2	0.8	6	6	1	3
MPS1-0430L-DIN	5	74	27.8	34	38	73.2	0.8	6	6	1	3
MPS1-0430L-DIN-C	5	74	27.8	34	38	73.2	0.8	6	6	1	3
NEW MPS1-0430-PC	2	63	9.3	22.7	24.82	62	0.7	6	6	1	1
MPS1-0430-L8C	8	93	35.3	51	56	92	0.8	6	6	1	1
NEW MPS1-0430-L10C	10	100	43.8	58.8	63	99	0.8	6	6	1	1
NEW MPS1-0430-L12C	12	109	52.4	67.8	72	108	0.8	6	6	1	1
NEW MPS1-0430-L15C	15	122	65.3	80.8	85	121	0.8	6	6	1	1
NEW MPS1-0430-L20C	20	145	86.8	103.8	108	144	0.8	6	6	1	1
NEW MPS1-0430-L25C	25	167	108.3	125.8	130	166	0.8	6	6	1	1
NEW MPS1-0430-L30C	30	190	129.8	148.8	153	189	0.8	6	6	1	1
NEW MPS1-0430-L35C	35	212	151.3	170.8	175	211	0.8	6	6	1	1
NEW MPS1-0430-L40C	40	236	172.8	194.8	199	235	0.8	6	6	1	1
MPS1-0440S-DIN	3	66	17.2	24	30	65.2	0.8	6	6	1	3
MPS1-0440S-DIN-C	3	66	17.2	24	30	65.2	0.8	6	6	1	3
MPS1-0440L-DIN	5	74	27.7	34	38	73.2	0.8	6	6	1	3
MPS1-0440L-DIN-C	5	74	27.7	34	38	73.2	0.8	6	6	1	3
NEW MPS1-0440-PC	2	63	9.5	22.7	24.72	62	0.7	6	6	1	1
MPS1-0440-L8C	8	93	36.1	51	56	92	0.8	6	6	1	1
NEW MPS1-0440-L10C	10	100	44.8	58.8	63	99	0.8	6	6	1	1
NEW MPS1-0440-L12C	12	109	53.6	67.8	72	108	0.8	6	6	1	1
NEW MPS1-0440-L15C	15	122	66.8	80.8	85	121	0.8	6	6	1	1
NEW MPS1-0440-L20C	20	145	88.8	103.8	108	144	0.8	6	6	1	1
NEW MPS1-0440-L25C	25	167	110.8	125.8	130	166	0.8	6	6	1	1
NEW MPS1-0440-L30C	30	190	132.8	148.8	153	189	0.8	6	6	1	1
NEW MPS1-0440-L35C	35	212	154.8	170.8	175	211	0.8	6	6	1	1
NEW MPS1-0440-L40C	40	236	176.8	194.8	199	235	0.8	6	6	1	1
MPS1-0450S-DIN	3	66	17.1	24	30	65.2	0.8	6	6	1	3
MPS1-0450S-DIN-C	3	66	17.1	24	30	65.2	0.8	6	6	1	3
MPS1-0450L-DIN	5	74	27.6	34	38	73.2	0.8	6	6	1	3
MPS1-0450L-DIN-C	5	74	27.6	34	38	73.2	0.8	6	6	1	3
NEW MPS1-0450-PC	2	63	9.7	22.7	24.61	62	0.7	6	6	1	1
MPS1-0450-L8C	8	93	36.9	51	56	92	0.8	6	6	1	1
NEW MPS1-0450-L10C	10	100	45.8	58.8	63	99	0.8	6	6	1	1
NEW MPS1-0450-L12C	12	109	54.8	67.8	72	108	0.8	6	6	1	1
NEW MPS1-0450-L15C	15	122	68.3	80.8	85	121	0.8	6	6	1	1
NEW MPS1-0450-L20C	20	145	90.8	103.8	108	144	0.8	6	6	1	1
NEW MPS1-0450-L25C	25	167	113.3	125.8	130	166	0.8	6	6	1	1
NEW MPS1-0450-L30C	30	190	135.8	148.8	153	189	0.8	6	6	1	1
NEW MPS1-0450-L35C	35	212	158.3	170.8	175	211	0.8	6	6	1	1
NEW MPS1-0450-L40C	40	236	180.8	194.8	199	235	0.8	6	6	1	1

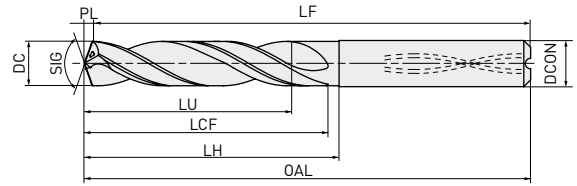


Order Number											DC	U(d)	OAL	LU	LCF	LH	LF	PL	DCON	DP1021	Type
MPS1-0460S-DIN											3	66	16.9	24	30	65.2	0.8	6		4	
MPS1-0460S-DIN-C											3	66	16.9	24	30	65.2	0.8	6		2	
MPS1-0460L-DIN											5	74	28.9	36	38	73.2	0.8	6		4	
MPS1-0460L-DIN-C											5	74	28.9	36	38	73.2	0.8	6		2	
MPS1-0460-PC											2	63	9.9	24.7	28	62	0.7	6		2	
MPS1-0460-L8C											8	96	37.8	55	59	95	0.8	6		2	
MPS1-0460-L10C											10	106	46.8	65.8	69	105	0.8	6		2	
MPS1-0460-L12C											12	116	56	75.8	79	115	0.8	6		2	
MPS1-0460-L15C											15	131	69.8	90.8	94	130	0.8	6		2	
MPS1-0460-L20C											20	156	92.8	115.8	119	155	0.8	6		2	
MPS1-0460-L25C											25	181	115.8	140.8	144	180	0.8	6		2	
MPS1-0460-L30C											30	206	138.8	165.8	169	205	0.8	6		2	
MPS1-0460-L35C											35	230	161.8	184.8	193	229	0.8	6		2	
MPS1-0460-L40C											40	255	184.8	204.8	218	254	0.8	6		2	
MPS1-0465S-DIN											3	66	16.9	24	30	65.2	0.8	6		4	
MPS1-0465S-DIN-C											3	66	16.9	24	30	65.2	0.8	6		2	
MPS1-0465L-DIN											5	74	28.9	36	38	73.2	0.8	6		4	
MPS1-0465L-DIN-C											5	74	28.9	36	38	73.2	0.8	6		2	
MPS1-0470S-DIN											3	66	16.8	24	30	65.1	0.9	6		4	
MPS1-0470S-DIN-C											3	66	16.8	24	30	65.1	0.9	6		2	
MPS1-0470L-DIN											5	74	28.8	36	38	73.1	0.9	6		4	
MPS1-0470L-DIN-C											5	74	28.8	36	38	73.1	0.9	6		2	
MPS1-0470-PC											2	63	10.1	24.7	28	62	0.7	6		2	
MPS1-0470-L8C											8	96	38.6	55	59	95	0.9	6		2	
MPS1-0470-L10C											10	106	47.9	65.9	69	105	0.9	6		2	
MPS1-0470-L12C											12	116	57.3	75.9	79	115	0.9	6		2	
MPS1-0470-L15C											15	131	71.4	90.9	94	130	0.9	6		2	
MPS1-0470-L20C											20	156	94.9	115.9	119	155	0.9	6		2	
MPS1-0470-L25C											25	181	118.4	140.9	144	180	0.9	6		2	
MPS1-0470-L30C											30	206	141.9	165.9	169	205	0.9	6		2	
MPS1-0470-L35C											35	230	165.4	184.9	193	229	0.9	6		2	
MPS1-0470-L40C											40	255	188.9	204.9	218	254	0.9	6		2	
MPS1-0480S-DIN											3	66	20.7	28	30	65.1	0.9	6		4	
MPS1-0480S-DIN-C											3	66	20.7	28	30	65.1	0.9	6		2	
MPS1-0480L-DIN											5	82	36.7	44	46	81.1	0.9	6		4	
MPS1-0480L-DIN-C											5	82	36.7	44	46	81.1	0.9	6		2	
MPS1-0480-PC											2	63	10.4	24.8	28	62	0.8	6		2	
MPS1-0480-L8C											8	96	39.4	55	59	95	0.9	6		2	
MPS1-0480-L10C											10	106	48.9	65.9	69	105	0.9	6		2	
MPS1-0480-L12C											12	116	58.5	75.9	79	115	0.9	6		2	
MPS1-0480-L15C											15	131	72.9	90.9	94	130	0.9	6		2	
MPS1-0480-L20C											20	156	96.9	115.9	119	155	0.9	6		2	
MPS1-0480-L25C											25	181	120.9	140.9	144	180	0.9	6		2	
MPS1-0480-L30C											30	206	144.9	165.9	169	205	0.9	6		2	
MPS1-0480-L35C											35	230	168.9	190.9	193	229	0.9	6		2	
MPS1-0480-L40C											40	255	192.9	215.9	218	254	0.9	6		2	
MPS1-0490S-DIN											3	66	20.5	28	30	65.1	0.9	6		4	
MPS1-0490S-DIN-C											3	66	20.5	28	30	65.1	0.9	6		2	
MPS1-0490L-DIN											5	82	36.5	44	46	81.1	0.9	6		4	
MPS1-0490L-DIN-C											5	82	36.5	44	46	81.1	0.9	6		2	
MPS1-0490-PC											2	63	10.6	24.8	28	62	0.8	6		2	
MPS1-0490-L8C											8	96	40.2	55	59	95	0.9	6		2	
MPS1-0490-L10C											10	106	49.9	65.9	69	105	0.9	6		2	
MPS1-0490-L12C											12	116	59.7	75.9	79	115	0.9	6		2	
MPS1-0490-L15C											15	131	74.4	90.9	94	130	0.9	6		2	
MPS1-0490-L20C											20	156	98.9	115.9	119	155	0.9	6		2	
MPS1-0490-L25C											25	181	123.4	140.9	144	180	0.9	6		2	
MPS1-0490-L30C											30	206	147.9	165.9	169	205	0.9	6		2	
MPS1-0490-L35C											35	230	172.4	190.9	193	229	0.9	6		2	
MPS1-0490-L40C											40	255	196.9	215.9	218	254	0.9	6		2	

Order Number											
	DC	U/d	OAL	LU	LCF	LH	LF	PL	DCON	DP1021	Type
MPS1-0500S-DIN		3	66	20.4	28	30	65.1	0.9	6		4
MPS1-0500S-DIN-C		3	66	20.4	28	30	65.1	0.9	6		2
MPS1-0500L-DIN		5	82	36.4	44	46	81.1	0.9	6		4
MPS1-0500L-DIN-C		5	82	36.4	44	46	81.1	0.9	6		2
MPS1-0500-PC		2	63	10.8	24.8	26	62	0.8	6		2
MPS1-0500-L8C		8	96	41.0	55	59	95	0.9	6		2
MPS1-0500-L10C	5	10	106	50.9	65.9	69	105	0.9	6		2
MPS1-0500-L12C		12	116	60.9	75.9	79	115	0.9	6		2
MPS1-0500-L15C		15	131	75.9	90.9	94	130	0.9	6		2
MPS1-0500-L20C		20	156	100.9	115.9	119	155	0.9	6		2
MPS1-0500-L25C		25	181	125.9	140.9	144	180	0.9	6		2
MPS1-0500-L30C		30	206	150.9	165.9	169	205	0.9	6		2
MPS1-0500-L35C		35	230	175.9	190.9	193	229	0.9	6		2
MPS1-0500-L40C		40	255	200.9	215.9	218	254	0.9	6		2
MPS1-0505S-DIN		3	66	20.3	28	30	65.1	0.9	6		4
MPS1-0505S-DIN-C	5.05	3	66	20.3	28	30	65.1	0.9	6		2
MPS1-0505L-DIN		5	82	36.3	44	46	81.1	0.9	6		4
MPS1-0505L-DIN-C		5	82	36.3	44	46	81.1	0.9	6		2
MPS1-0510S-DIN		3	66	20.3	28	30	65.1	0.9	6		4
MPS1-0510S-DIN-C		3	66	20.3	28	30	65.1	0.9	6		2
MPS1-0510L-DIN		5	82	36.3	44	46	81.1	0.9	6		4
MPS1-0510L-DIN-C		5	82	36.3	44	46	81.1	0.9	6		2
MPS1-0510-PC		2	67	11	26.8	29	66	0.8	6		2
MPS1-0510-L8C		8	102	41.9	62	65	101	0.9	6		2
MPS1-0510-L10C	5.1	10	113	51.9	72.9	76	112	0.9	6		2
MPS1-0510-L12C		12	124	62.1	83.9	87	123	0.9	6		2
MPS1-0510-L15C		15	140	77.4	99.9	103	139	0.9	6		2
MPS1-0510-L20C		20	168	102.9	127.9	131	167	0.9	6		2
MPS1-0510-L25C		25	195	128.4	154.9	158	194	0.9	6		2
MPS1-0510-L30C		30	223	153.9	182.9	186	222	0.9	6		2
MPS1-0510-L35C		35	249	179.4	203.9	212	248	0.9	6		2
MPS1-0510-L40C		40	279	204.9	230.9	242	278	0.9	6		2
MPS1-0520S-DIN		3	66	20.1	28	30	65.1	0.9	6		4
MPS1-0520S-DIN-C		3	66	20.1	28	30	65.1	0.9	6		2
MPS1-0520L-DIN		5	82	36.1	44	46	81.1	0.9	6		4
MPS1-0520L-DIN-C		5	82	36.1	44	46	81.1	0.9	6		2
MPS1-0520-PC		2	67	11.2	26.8	29	66	0.8	6		2
MPS1-0520-L8C		8	102	42.7	62	65	101	0.9	6		2
MPS1-0520-L10C	5.2	10	113	52.9	72.9	76	112	0.9	6		2
MPS1-0520-L12C		12	124	63.3	83.9	87	123	0.9	6		2
MPS1-0520-L15C		15	140	78.9	99.9	103	139	0.9	6		2
MPS1-0520-L20C		20	168	104.9	127.9	131	167	0.9	6		2
MPS1-0520-L25C		25	195	130.9	154.9	158	194	0.9	6		2
MPS1-0520-L30C		30	223	156.9	182.9	186	222	0.9	6		2
MPS1-0520-L35C		35	249	182.9	203.9	212	248	0.9	6		2
MPS1-0520-L40C		40	279	208.9	230.9	242	278	0.9	6		2
MPS1-0530S-DIN		3	66	20.0	28	30	65	1	6		4
MPS1-0530S-DIN-C		3	66	20.0	28	30	65	1	6		2
MPS1-0530L-DIN		5	82	36.0	44	46	81	1	6		4
MPS1-0530L-DIN-C		5	82	36.0	44	46	81	1	6		2
MPS1-0530-PC		2	67	11.4	26.8	29	66	0.8	6		2
MPS1-0530-L8C		8	102	43.5	62	65	101	1	6		2
MPS1-0530-L10C	5.3	10	113	54	73	76	112	1	6		2
MPS1-0530-L12C		12	124	64.6	84	87	123	1	6		2
MPS1-0530-L15C		15	140	80.5	100	103	139	1	6		2
MPS1-0530-L20C		20	168	107	128	131	167	1	6		2
MPS1-0530-L25C		25	195	133.5	155	158	194	1	6		2
MPS1-0530-L30C		30	223	160	183	186	222	1	6		2
MPS1-0530-L35C		35	249	186.5	210	212	248	1	6		2
MPS1-0530-L40C		40	279	213	241	242	278	1	6		2



MPS1



Order Number	DC	I/d	OAL	LU	LCF	LH	LF	PL	DCON	DP1021	Type
MPS1-0540S-DIN-C	3	66	19.9	28	30	65	1	6	6	●	2
MPS1-0540S-DIN	3	66	19.9	28	30	65	1	6	6	□	4
MPS1-0540L-DIN	5	82	35.9	44	46	81	1	6	6	□	4
MPS1-0540L-DIN-C	5	82	35.9	44	46	81	1	6	6	●	2
NEW MPS1-0540-PC	2	67	11.7	26.9	29	66	0.9	6	6	□	2
MPS1-0540-L8C	8	102	44.3	62	65	101	1	6	6	●	2
NEW MPS1-0540-L10C	10	113	55	73	76	112	1	6	6	□	2
NEW MPS1-0540-L12C	12	124	65.8	84	87	123	1	6	6	□	2
NEW MPS1-0540-L15C	15	140	82	100	103	139	1	6	6	□	2
NEW MPS1-0540-L20C	20	168	109	128	131	167	1	6	6	□	2
NEW MPS1-0540-L25C	25	195	136	155	158	194	1	6	6	□	2
NEW MPS1-0540-L30C	30	223	163	183	186	222	1	6	6	□	2
NEW MPS1-0540-L35C	35	249	190	210	212	248	1	6	6	□	2
NEW MPS1-0540-L40C	40	279	217	241	242	278	1	6	6	□	2
MPS1-0550S-DIN	3	66	19.8	28	30	65	1	6	6	□	4
MPS1-0550S-DIN-C	3	66	19.8	28	30	65	1	6	6	●	2
MPS1-0550L-DIN	5	82	35.8	44	46	81	1	6	6	□	4
MPS1-0550L-DIN-C	5	82	35.8	44	46	81	1	6	6	●	2
NEW MPS1-0550-PC	2	67	11.9	26.9	29	66	0.9	6	6	●	2
MPS1-0550-L8C	8	102	45.1	62	65	101	1	6	6	●	2
NEW MPS1-0550-L10C	10	113	56	73	76	112	1	6	6	□	2
NEW MPS1-0550-L12C	12	124	67	84	87	123	1	6	6	●	2
NEW MPS1-0550-L15C	15	140	83.5	100	103	139	1	6	6	●	2
NEW MPS1-0550-L20C	20	168	111	128	131	167	1	6	6	●	2
NEW MPS1-0550-L25C	25	195	138.5	155	158	194	1	6	6	●	2
NEW MPS1-0550-L30C	30	223	166	183	186	222	1	6	6	●	2
NEW MPS1-0550-L35C	35	249	193.5	210	212	248	1	6	6	□	2
NEW MPS1-0550-L40C	40	279	221	241	242	278	1	6	6	●	2
MPS1-0555S-DIN	3	66	19.7	28	30	65	1	6	6	□	4
MPS1-0555S-DIN-C	3	66	19.7	28	30	65	1	6	6	●	2
MPS1-0555L-DIN	5	82	35.7	44	46	81	1	6	6	□	4
MPS1-0555L-DIN-C	5	82	35.7	44	46	81	1	6	6	●	2
MPS1-0560S-DIN	3	66	19.6	28	30	65	1	6	6	□	4
MPS1-0560S-DIN-C	3	66	19.6	28	30	65	1	6	6	●	2
MPS1-0560L-DIN	5	82	35.6	44	46	81	1	6	6	□	4
MPS1-0560L-DIN-C	5	82	35.6	44	46	81	1	6	6	●	2
NEW MPS1-0560-PC	2	67	12.1	28.9	29	66	0.9	6	6	□	2
MPS1-0560-L8C	8	107	46.0	67	70	106	1	6	6	●	2
NEW MPS1-0560-L10C	10	119	57	79	82	118	1	6	6	□	2
NEW MPS1-0560-L12C	12	131	68.2	91	94	130	1	6	6	□	2
NEW MPS1-0560-L15C	15	149	85	109	112	148	1	6	6	□	2
NEW MPS1-0560-L20C	20	179	113	139	142	178	1	6	6	□	2
NEW MPS1-0560-L25C	25	209	141	169	172	208	1	6	6	□	2
NEW MPS1-0560-L30C	30	239	169	199	202	238	1	6	6	□	2
NEW MPS1-0560-L35C	35	268	197	223	231	267	1	6	6	□	2
NEW MPS1-0560-L40C	40	299	225	251	262	298	1	6	6	□	2

Order Number	DC	I/d	OAL	LU	LCF	LH	LF	PL	DCON	DP1021	Type
MPS1-0570S-DIN	3	66	19.5	28	30	65	1	6	6	□	4
MPS1-0570S-DIN-C	3	66	19.5	28	30	65	1	6	6	●	2
MPS1-0570L-DIN	5	82	35.5	44	46	81	1	6	6	□	4
MPS1-0570L-DIN-C	5	82	35.5	44	46	81	1	6	6	●	2
NEW MPS1-0570-PC	2	67	12.3	28.9	29	66	0.9	6	6	□	2
MPS1-0570-L8C	8	107	46.8	67	70	106	1	6	6	●	2
NEW MPS1-0570-L10C	10	119	58	79	82	118	1	6	6	□	2
NEW MPS1-0570-L12C	12	131	69.4	91	94	130	1	6	6	□	2
NEW MPS1-0570-L15C	15	149	86.5	109	112	148	1	6	6	□	2
NEW MPS1-0570-L20C	20	179	115	139	142	178	1	6	6	□	2
NEW MPS1-0570-L25C	25	209	143.5	169	172	208	1	6	6	□	2
NEW MPS1-0570-L30C	30	239	172	199	202	238	1	6	6	□	2
NEW MPS1-0570-L35C	35	268	200.5	223	231	267	1	6	6	□	2
NEW MPS1-0570-L40C	40	299	229	251	262	298	1	6	6	□	2
MPS1-0580S-DIN	3	66	19.4	28	30	64.9	1.1	6	6	□	4
MPS1-0580S-DIN-C	3	66	19.4	28	30	64.9	1.1	6	6	●	2
MPS1-0580L-DIN	5	82	35.4	44	46	80.9	1.1	6	6	□	4
MPS1-0580L-DIN-C	5	82	35.4	44	46	80.9	1.1	6	6	●	2
NEW MPS1-0580-PC	2	67	12.5	28.9	29	66	0.9	6	6	□	2
MPS1-0580-L8C	8	107	47.6	67	70	106	1.1	6	6	●	2
NEW MPS1-0580-L10C	10	119	59.1	79.1	82	118	1.1	6	6	□	2
NEW MPS1-0580-L12C	12	131	70.7	91.1	94	130	1.1	6	6	□	2
NEW MPS1-0580-L15C	15	149	88.1	109.1	112	148	1.1	6	6	□	2
NEW MPS1-0580-L20C	20	179	117.1	139.1	142	178	1.1	6	6	□	2
NEW MPS1-0580-L25C	25	209	146.1	169.1	172	208	1.1	6	6	□	2
NEW MPS1-0580-L30C	30	239	175.1	199.1	202	238	1.1	6	6	□	2
NEW MPS1-0580-L35C	35	268	204.1	229.1	231	267	1.1	6	6	□	2
NEW MPS1-0580-L40C	40	299	233.1	261.1	262	298	1.1	6	6	□	2
MPS1-0590S-DIN	3	66	19.2	28	30	64.9	1.1	6	6	□	4
MPS1-0590S-DIN-C	3	66	19.2	28	30	64.9	1.1	6	6	●	2
MPS1-0590L-DIN	5	82	35.2	44	46	80.9	1.1	6	6	□	4
MPS1-0590L-DIN-C	5	82	35.2	44	46	80.9	1.1	6	6	●	2
NEW MPS1-0590-PC	2	67	12.7	28.9	29	66	0.9	6	6	□	2
MPS1-0590-L8C	8	107	48.4	67	70	106	1.1	6	6	●	2
NEW MPS1-0590-L10C	10	119	60.1	79.1	82	118	1.1	6	6	□	2
NEW MPS1-0590-L12C	12	131	71.9	91.1	94	130	1.1	6	6	□	2
NEW MPS1-0590-L15C	15	149	89.6	109.1	112	148	1.1	6	6	□	2
NEW MPS1-0590-L20C	20	179	119.1	139.1	142	178	1.1	6	6	□	2
NEW MPS1-0590-L25C	25	209	148.6	169.1	172	208	1.1	6	6	□	2
NEW MPS1-0590-L30C	30	239	178.1	199.1	202	238	1.1	6	6	□	2
NEW MPS1-0590-L35C	35	268	207.6	229.1	231	267	1.1	6	6	□	2
NEW MPS1-0590-L40C	40	299	237.1	261.1	262	298	1.1	6	6	□	2

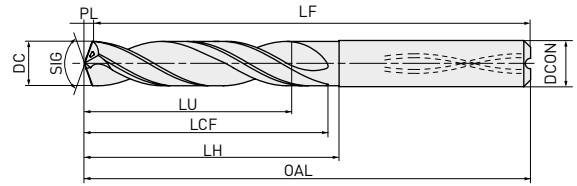


Order Number	DC	U(d)	OAL	LU	LCF	LH	LF	PL	DCON	DP1021	Type
MPS1-0600S-DIN	3	66	19.1	28	30	64.9	1.1	6		4	
MPS1-0600S-DIN-C	3	66	19.1	28	30	64.9	1.1	6		2	
MPS1-0600L-DIN	5	82	35.1	44	46	80.9	1.1	6		4	
MPS1-0600L-DIN-C	5	82	35.1	44	46	80.9	1.1	6		2	
MPS1-0600-PC	2	67	12.9	28.9	29	66	0.9	6		2	
MPS1-0600-L8C	8	107	49.2	67	70	106	1.1	6		2	
MPS1-0600-L10C	10	119	61.1	79.1	82	118	1.1	6		2	
MPS1-0600-L12C	12	131	73.1	91.1	94	130	1.1	6		2	
MPS1-0600-L15C	15	149	91.1	109.1	112	148	1.1	6		2	
MPS1-0600-L20C	20	179	121.1	139.1	142	178	1.1	6		2	
MPS1-0600-L25C	25	209	151.1	169.1	172	208	1.1	6		2	
MPS1-0600-L30C	30	239	181.1	199.1	202	238	1.1	6		2	
MPS1-0600-L35C	35	268	211.1	229.1	231	267	1.1	6		2	
MPS1-0600-L40C	40	299	241.1	261.1	262	298	1.1	6		2	
MPS1-0605S-DIN	3	79	25.0	34	43	77.9	1.1	8		4	
MPS1-0605S-DIN-C	3	79	25.0	34	43	77.9	1.1	8		2	
MPS1-0605L-DIN	5	91	44.0	53	55	89.9	1.1	8		4	
MPS1-0605L-DIN-C	5	91	44.0	53	55	89.9	1.1	8		2	
MPS1-0610S-DIN	3	79	25.0	34	43	77.9	1.1	8		4	
MPS1-0610S-DIN-C	3	79	25.0	34	43	77.9	1.1	8		2	
MPS1-0610L-DIN	5	91	44.0	53	55	89.9	1.1	8		4	
MPS1-0610L-DIN-C	5	91	44.0	53	55	89.9	1.1	8		2	
MPS1-0610-PC	2	75	13.2	32	35	74	1	8		2	
MPS1-0610-L8C	8	113	50.1	73	76	112	1.1	8		2	
MPS1-0610-L10C	10	126	62.1	86.1	89	125	1.1	8		2	
MPS1-0610-L12C	12	139	74.3	99.1	102	138	1.1	8		2	
MPS1-0610-L15C	15	158	92.6	118.1	121	157	1.1	8		2	
MPS1-0610-L20C	20	191	123.1	151.1	154	190	1.1	8		2	
MPS1-0610-L25C	25	223	153.6	183.1	186	222	1.1	8		2	
MPS1-0610-L30C	30	256	184.1	216.1	219	255	1.1	8		2	
MPS1-0610-L35C	35	287	214.6	241.1	250	286	1.1	8		2	
MPS1-0610-L40C	40	321	245.1	271.1	284	320	1.1	8		2	
MPS1-0620S-DIN	3	79	24.8	34	43	77.9	1.1	8		4	
MPS1-0620S-DIN-C	3	79	24.8	34	43	77.9	1.1	8		2	
MPS1-0620L-DIN	5	91	43.8	53	55	89.9	1.1	8		4	
MPS1-0620L-DIN-C	5	91	43.8	53	55	89.9	1.1	8		2	
MPS1-0620-PC	2	75	13.2	32	35	74	1	8		2	
MPS1-0620-L8C	8	113	50.9	73	76	112	1.1	8		2	
MPS1-0620-L10C	10	126	63.1	86.1	89	125	1.1	8		2	
MPS1-0620-L12C	12	139	75.5	99.1	102	138	1.1	8		2	
MPS1-0620-L15C	15	158	94.1	118.1	121	157	1.1	8		2	
MPS1-0620-L20C	20	191	125.1	151.1	154	190	1.1	8		2	
MPS1-0620-L25C	25	223	156.1	183.1	186	222	1.1	8		2	
MPS1-0620-L30C	30	256	187.1	216.1	219	255	1.1	8		2	
MPS1-0620-L35C	35	287	218.1	241.1	250	286	1.1	8		2	
MPS1-0620-L40C	40	321	249.1	271.1	284	320	1.1	8		2	
MPS1-0630S-DIN	3	79	24.7	34	43	77.9	1.1	8		4	
MPS1-0630S-DIN-C	3	79	24.7	34	43	77.9	1.1	8		2	
MPS1-0630L-DIN	5	91	43.7	53	55	89.9	1.1	8		4	
MPS1-0630L-DIN-C	5	91	43.7	53	55	89.9	1.1	8		2	
MPS1-0630-PC	2	75	13.6	32	35	74	1	8		2	
MPS1-0630-L8C	8	113	51.7	73	76	112	1.1	8		2	
MPS1-0630-L10C	10	126	64.1	86.1	89	125	1.1	8		2	
MPS1-0630-L12C	12	139	76.7	99.1	102	138	1.1	8		2	
MPS1-0630-L15C	15	158	95.6	118.1	121	157	1.1	8		2	
MPS1-0630-L20C	20	191	127.1	151.1	154	190	1.1	8		2	
MPS1-0630-L25C	25	223	158.6	183.1	186	222	1.1	8		2	
MPS1-0630-L30C	30	256	190.1	216.1	219	255	1.1	8		2	
MPS1-0630-L35C	35	287	221.6	248.1	250	286	1.1	8		2	
MPS1-0630-L40C	40	321	253.1	281.1	284	320	1.1	8		2	

Order Number												
		DC	I/d	OAL	LU	LCF	LH	LF	PL	DCON	DP1021	Type



MPS1



Order Number

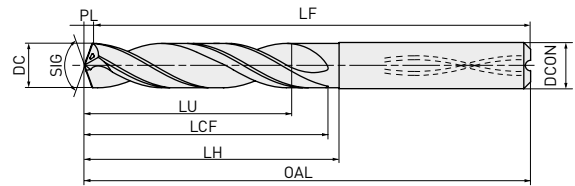
Order Number

	DC	I/d)	OAL	LU	LCF	LH	LF	PL	DCON	DP1021	Type
MPS1-0680S-DIN	3	79	24.0	34	43	77.8	1.2	8	●	4	
MPS1-0680S-DIN-C	3	79	24.0	34	43	77.8	1.2	8	●	2	
MPS1-0680L-DIN	5	91	43.0	53	55	89.8	1.2	8	●	4	
MPS1-0680L-DIN-C	5	91	43.0	53	55	89.8	1.2	8	●	2	
NEW MPS1-0680-PC	2	75	14.7	35.1	37	74	1.1	8	●	2	
MPS1-0680-L8C	8	118	55.8	78	81	117	1.2	8	●	2	
NEW MPS1-0680-L10C	10	132	69.2	92.2	95	131	1.2	8	●	2	
NEW MPS1-0680-L12C	12	146	82.8	106.2	109	145	1.2	8	●	2	
NEW MPS1-0680-L15C	15	167	103.2	127.2	130	166	1.2	8	●	2	
NEW MPS1-0680-L20C	20	202	137.2	162.2	165	201	1.2	8	●	2	
NEW MPS1-0680-L25C	25	237	171.2	197.2	200	236	1.2	8	●	2	
NEW MPS1-0680-L30C	30	272	205.2	232.2	235	271	1.2	8	●	2	
NEW MPS1-0680-L35C	35	306	239.2	267.2	269	305	1.2	8	●	2	
NEW MPS1-0680-L40C	40	341	273.2	301.2	304	340	1.2	8	●	2	
MPS1-0690S-DIN	3	79	23.9	34	43	77.7	1.3	8	●	4	
MPS1-0690S-DIN-C	3	79	23.9	34	43	77.7	1.3	8	●	2	
MPS1-0690L-DIN	5	91	42.9	53	55	89.7	1.3	8	●	4	
MPS1-0690L-DIN-C	5	91	42.9	53	55	89.7	1.3	8	●	2	
NEW MPS1-0690-PC	2	75	14.9	35.1	37	74	1.1	8	●	2	
MPS1-0690-L8C	8	118	56.6	78	81	117	1.3	8	●	2	
NEW MPS1-0690-L10C	10	132	70.3	92.3	95	131	1.3	8	●	2	
NEW MPS1-0690-L12C	12	146	84.1	106.3	109	145	1.3	8	●	2	
NEW MPS1-0690-L15C	15	167	104.8	127.3	130	166	1.3	8	●	2	
NEW MPS1-0690-L20C	20	202	139.3	162.3	165	201	1.3	8	●	2	
NEW MPS1-0690-L25C	25	237	173.8	197.3	200	236	1.3	8	●	2	
NEW MPS1-0690-L30C	30	272	208.3	232.3	235	271	1.3	8	●	2	
NEW MPS1-0690-L35C	35	306	242.8	267.3	269	305	1.3	8	●	2	
NEW MPS1-0690-L40C	40	341	277.3	301.3	304	340	1.3	8	●	2	
MPS1-0700S-DIN	3	79	23.8	34	43	77.7	1.3	8	●	4	
MPS1-0700S-DIN-C	3	79	23.8	34	43	77.7	1.3	8	●	2	
MPS1-0700L-DIN	5	91	42.8	53	55	89.7	1.3	8	●	4	
MPS1-0700L-DIN-C	5	91	42.8	53	55	89.7	1.3	8	●	2	
NEW MPS1-0700-PC	2	75	15.1	35.1	37	74	1.1	8	●	2	
MPS1-0700-L8C	8	118	57.4	78	81	117	1.3	8	●	2	
NEW MPS1-0700-L10C	10	132	71.3	92.3	95	131	1.3	8	●	2	
NEW MPS1-0700-L12C	12	146	85.3	106.3	109	145	1.3	8	●	2	
NEW MPS1-0700-L15C	15	167	106.3	127.3	130	166	1.3	8	●	2	
NEW MPS1-0700-L20C	20	202	141.3	162.3	165	201	1.3	8	●	2	
NEW MPS1-0700-L25C	25	237	176.3	197.3	200	236	1.3	8	●	2	
NEW MPS1-0700-L30C	30	272	211.3	232.3	235	271	1.3	8	●	2	
NEW MPS1-0700-L35C	35	306	246.3	267.3	269	305	1.3	8	●	2	
NEW MPS1-0700-L40C	40	341	281.3	301.3	304	340	1.3	8	●	2	

	DC	I/d)	OAL	LU	LCF	LH	LF	PL	DCON	DP1021	Type
MPS1-0710S-DIN	3	79	30.6	41	43	77.7	1.3	8	●	4	
MPS1-0710S-DIN-C	3	79	30.6	41	43	77.7	1.3	8	●	2	
MPS1-0710L-DIN	5	91	42.6	53	55	89.7	1.3	8	●	4	
MPS1-0710L-DIN-C	5	91	42.6	53	55	89.7	1.3	8	●	2	
NEW MPS1-0710-PC	2	80	15.3	35.1	38	79	1.1	8	●	2	
MPS1-0710-L8C	8	124	58.3	84	87	123	1.3	8	●	2	
NEW MPS1-0710-L10C	10	139	72.3	99.3	102	138	1.3	8	●	2	
NEW MPS1-0710-L12C	12	154	86.5	114.3	117	153	1.3	8	●	2	
NEW MPS1-0710-L15C	15	176	107.8	136.3	139	175	1.3	8	●	2	
NEW MPS1-0710-L20C	20	214	143.3	174.3	177	213	1.3	8	●	2	
NEW MPS1-0710-L25C	25	251	178.8	211.3	214	250	1.3	8	●	2	
NEW MPS1-0710-L30C	30	289	214.3	249.3	252	288	1.3	8	●	2	
NEW MPS1-0710-L35C	35	325	249.8	286.3	288	324	1.3	8	●	2	
NEW MPS1-0710-L40C	40	360	285.3	321.3	323	359	1.3	8	●	2	
MPS1-0720S-DIN	3	79	30.5	41	43	77.7	1.3	8	●	4	
MPS1-0720S-DIN-C	3	79	30.5	41	43	77.7	1.3	8	●	2	
MPS1-0720L-DIN	5	91	42.5	53	55	89.7	1.3	8	●	4	
MPS1-0720L-DIN-C	5	91	42.5	53	55	89.7	1.3	8	●	2	
NEW MPS1-0720-PC	2	80	15.5	35.1	38	79	1.1	8	●	2	
MPS1-0720-L8C	8	124	59.1	84	87	123	1.3	8	●	2	
NEW MPS1-0720-L10C	10	139	73.3	99.3	102	138	1.3	8	●	2	
NEW MPS1-0720-L12C	12	154	87.7	114.3	117	153	1.3	8	●	2	
NEW MPS1-0720-L15C	15	176	109.3	136.3	139	175	1.3	8	●	2	
NEW MPS1-0720-L20C	20	214	145.3	174.3	177	213	1.3	8	●	2	
NEW MPS1-0720-L25C	25	251	181.3	211.3	214	250	1.3	8	●	2	
NEW MPS1-0720-L30C	30	289	217.3	249.3	252	288	1.3	8	●	2	
NEW MPS1-0720-L35C	35	325	253.3	286.3	288	324	1.3	8	●	2	
NEW MPS1-0720-L40C	40	360	289.3	321.3	323	359	1.3	8	●	2	
MPS1-0730S-DIN	3	79	30.4	41	43	77.7	1.3	8	●	4	
MPS1-0730S-DIN-C	3	79	30.4	41	43	77.7	1.3	8	●	2	
MPS1-0730L-DIN	5	91	42.4	53	55	89.7	1.3	8	●	4	
MPS1-0730L-DIN-C	5	91	42.4	53	55	89.7	1.3	8	●	2	
NEW MPS1-0730-PC	2	80	15.8	35.2	38	79	1.2	8	●	2	
MPS1-0730-L8C	8	125	59.9	84	88	123	1.3	8	●	2	
NEW MPS1-0730-L10C	10	139	74.3	99.3	102	138	1.3	8	●	2	
NEW MPS1-0730-L12C	12	154	88.9	114.3	117	153	1.3	8	●	2	
NEW MPS1-0730-L15C	15	176	110.8	136.3	139	175	1.3	8	●	2	
NEW MPS1-0730-L20C	20	214	147.3	174.3	177	213	1.3	8	●	2	
NEW MPS1-0730-L25C	25	251	183.8	211.3	214	250	1.3	8	●	2	
NEW MPS1-0730-L30C	30	289	220.3	249.3	252	288	1.3	8	●	2	
NEW MPS1-0730-L35C	35	325	256.8	286.3	288	324	1.3	8	●	2	
NEW MPS1-0730-L40C	40	360	293.3	321.3	323	359	1.3	8	●	2	



MPS1



Order Number

Order Number		DC	I/d	OAL	LU	LCF	LH	LF	PL	DCON	DP1021	Type
	MPS1-0820S-DIN		3	88	34.2	46	48	86.5	1.5	10		4
	MPS1-0820S-DIN-C		3	88	34.2	46	48	86.5	1.5	10		2
	MPS1-0820L-DIN		5	102	48.2	60	62	100.5	1.5	10		4
	MPS1-0820L-DIN-C		5	102	48.2	60	62	100.5	1.5	10		2
NEW	MPS1-0820-PC		2	85	17.7	38.3	41	84	1.3	10		2
	MPS1-0820-L8C		8	140	67.3	95	99	138	1.5	10		2
NEW	MPS1-0820-L10C	8.2	10	156	83.5	112.5	115	155	1.5	10		2
NEW	MPS1-0820-L12C		12	173	99.9	129.5	132	172	1.5	10		2
NEW	MPS1-0820-L15C		15	198	124.5	154.5	157	197	1.5	10		2
NEW	MPS1-0820-L20C		20	241	165.5	197.5	200	240	1.5	10		2
NEW	MPS1-0820-L25C		25	283	206.5	239.5	242	282	1.5	10		2
NEW	MPS1-0820-L30C		30	325	247.5	282.5	284	324	1.5	10		2
NEW	MPS1-0820-L35C		35	367	288.5	324.5	326	366	1.5	10		2
NEW	MPS1-0820-L40C		40	411	329.5	366.5	370	410	1.5	10		2
	MPS1-0830S-DIN		3	88	34.1	46	48	86.5	1.5	10		4
	MPS1-0830S-DIN-C		3	88	34.1	46	48	86.5	1.5	10		2
	MPS1-0830L-DIN		5	102	48.1	60	62	100.5	1.5	10		4
	MPS1-0830L-DIN-C		5	102	48.1	60	62	100.5	1.5	10		2
NEW	MPS1-0830-PC		2	85	17.9	38.3	41	84	1.3	10		2
	MPS1-0830-L8C		8	140	68.1	95	99	138	1.5	10		2
NEW	MPS1-0830-L10C	8.3	10	157	84.5	112.5	116	155	1.5	10		2
NEW	MPS1-0830-L12C		12	174	101.1	129.5	133	172	1.5	10		2
NEW	MPS1-0830-L15C		15	199	126	154.5	158	197	1.5	10		2
NEW	MPS1-0830-L20C		20	242	167.5	197.5	201	240	1.5	10		2
NEW	MPS1-0830-L25C		25	284	209	239.5	243	282	1.5	10		2
NEW	MPS1-0830-L30C		30	326	250.5	282.5	285	324	1.5	10		2
NEW	MPS1-0830-L35C		35	368	292	324.5	327	366	1.5	10		2
NEW	MPS1-0830-L40C		40	412	333.5	366.5	371	410	1.5	10		2
	MPS1-0840S-DIN		3	88	33.9	46	48	86.5	1.5	10		4
	MPS1-0840S-DIN-C		3	88	33.9	46	48	86.5	1.5	10		2
	MPS1-0840L-DIN		5	102	47.9	60	62	100.5	1.5	10		4
	MPS1-0840L-DIN-C		5	102	47.9	60	62	100.5	1.5	10		2
NEW	MPS1-0840-PC		2	85	18.1	38.3	41	84	1.3	10		2
	MPS1-0840-L8C		8	140	68.9	95	99	138	1.5	10		2
NEW	MPS1-0840-L10C	8.4	10	157	85.5	112.5	116	155	1.5	10		2
NEW	MPS1-0840-L12C		12	174	102.3	129.5	133	172	1.5	10		2
NEW	MPS1-0840-L15C		15	199	127.5	154.5	158	197	1.5	10		2
NEW	MPS1-0840-L20C		20	242	169.5	197.5	201	240	1.5	10		2
NEW	MPS1-0840-L25C		25	284	211.5	239.5	243	282	1.5	10		2
NEW	MPS1-0840-L30C		30	326	253.5	282.5	285	324	1.5	10		2
NEW	MPS1-0840-L35C		35	368	295.5	324.5	327	366	1.5	10		2
NEW	MPS1-0840-L40C		40	412	337.5	366.5	371	410	1.5	10		2

Order Number

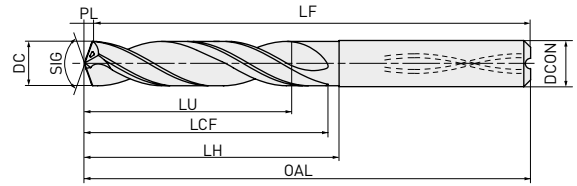
Order Number		DC	I/d	OAL	LU	LCF	LH	LF	PL	DCON	DP1021	Type
	MPS1-0850S-DIN		3	88	33.8	46	48	86.5	1.5	10		4
	MPS1-0850S-DIN-C		3	88	33.8	46	48	86.5	1.5	10		2
	MPS1-0850L-DIN		5	102	47.8	60	62	100.5	1.5	10		4
	MPS1-0850L-DIN-C		5	102	47.8	60	62	100.5	1.5	10		2
NEW	MPS1-0850-PC		2	85	18.3	38.3	41	84	1.3	10		2
	MPS1-0850-L8C		8	140	69.8	95	99	138	1.5	10		2
NEW	MPS1-0850-L10C	8.5	10	157	86.5	112.5	116	155	1.5	10		2
NEW	MPS1-0850-L12C		12	174	103.5	129.5	133	172	1.5	10		2
NEW	MPS1-0850-L15C		15	199	129	154.5	158	197	1.5	10		2
NEW	MPS1-0850-L20C		20	242	171.5	197.5	201	240	1.5	10		2
NEW	MPS1-0850-L25C		25	284	214	239.5	243	282	1.5	10		2
NEW	MPS1-0850-L30C		30	326	256.5	282.5	285	324	1.5	10		2
NEW	MPS1-0850-L35C		35	368	299	324.5	327	366	1.5	10		2
NEW	MPS1-0850-L40C		40	412	341.5	366.5	371	410	1.5	10		2
	MPS1-0860S-DIN		3	88	33.7	46	48	86.4	1.6	10		4
	MPS1-0860S-DIN-C		3	88	33.7	46	48	86.4	1.6	10		2
	MPS1-0860L-DIN		5	102	47.7	60	62	100.4	1.6	10		4
	MPS1-0860L-DIN-C		5	102	47.7	60	62	100.4	1.6	10		2
NEW	MPS1-0860-PC		2	85	18.6	41.4	43	84	1.4	10		2
	MPS1-0860-L8C		8	145	70.6	100	104	143	1.6	10		2
NEW	MPS1-0860-L10C	8.6	10	163	87.6	118.6	122	161	1.6	10		2
NEW	MPS1-0860-L12C		12	181	104.8	136.6	140	179	1.6	10		2
NEW	MPS1-0860-L15C		15	208	130.6	163.6	167	206	1.6	10		2
NEW	MPS1-0860-L20C		20	253	173.6	208.6	212	251	1.6	10		2
NEW	MPS1-0860-L25C		25	298	216.6	253.6	257	296	1.6	10		2
NEW	MPS1-0860-L30C		30	342	259.6	298.6	301	340	1.6	10		2
NEW	MPS1-0860-L35C		35	387	302.6	343.6	346	385	1.6	10		2
NEW	MPS1-0860-L40C		40	436	345.6	391.6	395	434	1.6	10		2
	MPS1-0870S-DIN		3	88	33.5	46	48	86.4	1.6	10		4
	MPS1-0870S-DIN-C		3	88	33.5	46	48	86.4	1.6	10		2
	MPS1-0870L-DIN		5	102	47.5	60	62	100.4	1.6	10		4
	MPS1-0870L-DIN-C		5	102	47.5	60	62	100.4	1.6	10		2
NEW	MPS1-0870-PC		2	85	18.8	41.4	43	84	1.4	10		2
	MPS1-0870-L8C		8	145	71.4	100	104	143	1.6	10		2
NEW	MPS1-0870-L10C	8.7	10	163	88.6	118.6	122	161	1.6	10		2
NEW	MPS1-0870-L12C		12	181	106	136.6	140	179	1.6	10		2
NEW	MPS1-0870-L15C		15	208	132.1	163.6	167	206	1.6	10		2
NEW	MPS1-0870-L20C		20	253	175.6	208.6	212	251	1.6	10		2
NEW	MPS1-0870-L25C		25	298	219.1	253.6	257	296	1.6	10		2
NEW	MPS1-0870-L30C		30	342	262.6	298.6	301	340	1.6	10		2
NEW	MPS1-0870-L35C		35	387	306.1	343.6	346	385	1.6	10		2
NEW	MPS1-0870-L40C		40	436	349.6	391.6	395	434	1.6	10		2



Order Number												DC	U/d	OAL	LU	LCF	LH	LF	PL	DCON	DP1021	Type
MPS1-0880S-DIN												3	88	33.4	46	48	86.4	1.6	10		4	
MPS1-0880S-DIN-C												3	88	33.4	46	48	86.4	1.6	10		2	
MPS1-0880L-DIN												5	102	47.4	60	62	100.4	1.6	10		4	
MPS1-0880L-DIN-C												5	102	47.4	60	62	100.4	1.6	10		2	
MPS1-0880-PC												2	85	19	41.4	43	84	1.4	10		2	
MPS1-0880-L8C												8	145	72.2	100	104	143	1.6	10		2	
MPS1-0880-L10C												10	163	89.6	118.6	122	161	1.6	10		2	
MPS1-0880-L12C												12	181	107.2	136.6	140	179	1.6	10		2	
MPS1-0880-L15C												15	208	133.6	163.6	167	206	1.6	10		2	
MPS1-0880-L20C												20	253	177.6	208.6	212	251	1.6	10		2	
MPS1-0880-L25C												25	298	221.6	253.6	257	296	1.6	10		2	
MPS1-0880-L30C												30	342	265.6	298.6	301	340	1.6	10		2	
MPS1-0880-L35C												35	387	309.6	343.6	346	385	1.6	10		2	
MPS1-0880-L40C												40	436	353.6	391.6	395	434	1.6	10		2	
MPS1-0890S-DIN												3	88	33.3	46	48	86.4	1.6	10		4	
MPS1-0890S-DIN-C												3	88	33.3	46	48	86.4	1.6	10		2	
MPS1-0890L-DIN												5	102	47.3	60	62	100.4	1.6	10		4	
MPS1-0890L-DIN-C												5	102	47.3	60	62	100.4	1.6	10		2	
MPS1-0890-PC												2	85	19.2	41.4	43	84	1.4	10		2	
MPS1-0890-L8C												8	145	73.0	100	104	143	1.6	10		2	
MPS1-0890-L10C												10	163	90.6	118.6	122	161	1.6	10		2	
MPS1-0890-L12C												12	181	108.4	136.6	140	179	1.6	10		2	
MPS1-0890-L15C												15	208	135.1	163.6	167	206	1.6	10		2	
MPS1-0890-L20C												20	253	179.6	208.6	212	251	1.6	10		2	
MPS1-0890-L25C												25	298	224.1	253.6	257	296	1.6	10		2	
MPS1-0890-L30C												30	342	268.6	298.6	301	340	1.6	10		2	
MPS1-0890-L35C												35	387	313.1	343.6	346	385	1.6	10		2	
MPS1-0890-L40C												40	436	357.6	391.6	395	434	1.6	10		2	
MPS1-0900S-DIN												3	88	33.1	46	48	86.4	1.6	10		4	
MPS1-0900S-DIN-C												3	88	33.1	46	48	86.4	1.6	10		2	
MPS1-0900L-DIN												5	102	47.1	60	62	100.4	1.6	10		4	
MPS1-0900L-DIN-C												5	102	47.1	60	62	100.4	1.6	10		2	
MPS1-0900-PC												2	85	19.4	41.4	43	84	1.4	10		2	
MPS1-0900-L8C												8	145	73.9	100	104	143	1.6	10		2	
MPS1-0900-L10C												10	163	91.6	118.6	122	161	1.6	10		2	
MPS1-0900-L12C												12	181	109.6	136.6	140	179	1.6	10		2	
MPS1-0900-L15C												15	208	136.6	163.6	167	206	1.6	10		2	
MPS1-0900-L20C												20	253	181.6	208.6	212	251	1.6	10		2	
MPS1-0900-L25C												25	298	226.6	253.6	257	296	1.6	10		2	
MPS1-0900-L30C												30	342	271.6	298.6	301	340	1.6	10		2	
MPS1-0900-L35C												35	387	316.6	343.6	346	385	1.6	10		2	
MPS1-0900-L40C												40	436	361.6	391.6	395	434	1.6	10		2	
MPS1-0910S-DIN												3	89	33.0	47	49	87.3	1.7	10		4	
MPS1-0910S-DIN-C												3	89	33.0	47	49	87.3	1.7	10		2	
MPS1-0910L-DIN												5	103	47.0	62	63	101.3	1.7	10		4	
MPS1-0910L-DIN-C												5	103	47.0	62	63	101.3	1.7	10		2	
MPS1-0910-PC												2	90	19.6	41.4	44	89	1.4	10		2	
MPS1-0910-L8C												8	151	74.7	107	110	149	1.7	10		2	
MPS1-0910-L10C												10	170	92.7	125.7	129	168	1.7	10		2	
MPS1-0910-L12C												12	189	110.9	144.7	148	187	1.7	10		2	
MPS1-0910-L15C												15	217	138.2	172.7	176	215	1.7	10		2	
MPS1-0910-L20C												20	265	183.7	220.7	224	263	1.7	10		2	
MPS1-0910-L25C												25	312	229.2	267.7	271	310	1.7	10		2	
MPS1-0910-L30C												30	360	274.7	315.7	319	358	1.7	10		2	
MPS1-0910-L35C												35	406	320.2	362.7	365	404	1.7	10		2	

Order Number											
	DC	I/d	OAL	LU	LCF	LH	LF	PL	DCON	DP1021	Type
MPS1-0920S-DIN		3	89	32.9	47	49	87.3	1.7	10		4
MPS1-0920S-DIN-C		3	89	32.9	47	49	87.3	1.7	10		2
MPS1-0920L-DIN		5	103	46.9	62	63	101.3	1.7	10		4
MPS1-0920L-DIN-C		5	103	46.9	62	63	101.3	1.7	10		2
MPS1-0920-PC		2	90	19.9	41.5	44	89	1.5	10		2
MPS1-0920-L8C		8	151	75.5	107	110	149	1.7	10		2
MPS1-0920-L10C	9.2	10	170	93.7	125.7	129	168	1.7	10		2
MPS1-0920-L12C		12	189	112.1	144.7	148	187	1.7	10		2
MPS1-0920-L15C		15	217	139.7	172.7	176	215	1.7	10		2
MPS1-0920-L20C		20	265	185.7	220.7	224	263	1.7	10		2
MPS1-0920-L25C		25	312	231.7	267.7	271	310	1.7	10		2
MPS1-0920-L30C		30	360	277.7	315.7	319	358	1.7	10		2
MPS1-0920-L35C		35	406	323.7	362.7	365	404	1.7	10		2
MPS1-0930S-DIN		3	89	32.7	47	49	87.3	1.7	10		4
MPS1-0930S-DIN-C		3	89	32.7	47	49	87.3	1.7	10		2
MPS1-0930L-DIN		5	103	46.7	62	63	101.3	1.7	10		4
MPS1-0930L-DIN-C		5	103	46.7	62	63	101.3	1.7	10		2
MPS1-0930-PC		2	90	20.1	41.5	44	89	1.5	10		2
MPS1-0930-L8C		8	151	76.3	107	110	149	1.7	10		2
MPS1-0930-L10C	9.3	10	170	94.7	125.7	129	168	1.7	10		2
MPS1-0930-L12C		12	189	113.3	144.7	148	187	1.7	10		2
MPS1-0930-L15C		15	217	141.2	172.7	176	215	1.7	10		2
MPS1-0930-L20C		20	265	187.7	220.7	224	263	1.7	10		2
MPS1-0930-L25C		25	312	234.2	267.7	271	310	1.7	10		2
MPS1-0930-L30C		30	360	280.7	315.7	319	358	1.7	10		2
MPS1-0930-L35C		35	406	327.2	362.7	365	404	1.7	10		2
MPS1-0940S-DIN		3	89	32.6	47	49	87.3	1.7	10		4
MPS1-0940S-DIN-C		3	89	32.6	47	49	87.3	1.7	10		2
MPS1-0940L-DIN		5	103	46.6	62	63	101.3	1.7	10		4
MPS1-0940L-DIN-C		5	103	46.6	62	63	101.3	1.7	10		2
MPS1-0940-PC		2	90	20.3	41.5	44	89	1.5	10		2
MPS1-0940-L8C		8	151	77.1	107	110	149	1.7	10		2
MPS1-0940-L10C	9.4	10	170	95.7	125.7	129	168	1.7	10		2
MPS1-0940-L12C		12	189	114.5	144.7	148	187	1.7	10		2
MPS1-0940-L15C		15	216	142.7	172.7	175	215	1.7	10		2
MPS1-0940-L20C		20	264	189.7	220.7	223	263	1.7	10		2
MPS1-0940-L25C		25	311	236.7	267.7	270	310	1.7	10		2
MPS1-0940-L30C		30	359	283.7	315.7	318	358	1.7	10		2
MPS1-0940-L35C		35	406	330.7	362.7	365	404	1.7	10		2
MPS1-0950S-DIN		3	89	32.5	47	49	87.3	1.7	10		4
MPS1-0950S-DIN-C		3	89	32.5	47	49	87.3	1.7	10		2
MPS1-0950L-DIN		5	103	46.5	62	63	101.3	1.7	10		4
MPS1-0950L-DIN-C		5	103	46.5	62	63	101.3	1.7	10		2
MPS1-0950-PC		2	90	20.5	41.5	44	89	1.5	10		2
MPS1-0950-L8C		8	151	78.0	107	110	149	1.7	10		2
MPS1-0950-L10C	9.5	10	169	96.7	125.7	128	168	1.7	10		2
MPS1-0950-L12C		12	188	115.7	144.7	147	187	1.7	10		2
MPS1-0950-L15C		15	216	144.2	172.7	175	215	1.7	10		2
MPS1-0950-L20C		20	265	191.7	220.7	224	263	1.7	10		2
MPS1-0950-L25C		25	311	239.2	267.7	270	310	1.7	10		2
MPS1-0950-L30C		30	359	286.7	315.7	318	358	1.7	10		2
MPS1-0950-L35C		35	405	334.2	362.7	364	404	1.7	10		2
MPS1-0960S-DIN		3	89	32.3	47	49	87.3	1.7	10		4
MPS1-0960S-DIN-C		3	89	32.3	47	49	87.3	1.7	10		2
MPS1-0960L-DIN		5	103	46.3	62	63	101.3	1.7	10		4
MPS1-0960L-DIN-C		5	103	46.3	62	63	101.3	1.7	10		2
MPS1-0960-PC		2	90	20.7	44.5	44	89	1.5	10		2
MPS1-0960-L8C		8	156	78.8	112	115	154	1.7	10		2
MPS1-0960-L10C	9.6	10	176	97.7	131.7	135	174	1.7	10		2
MPS1-0960-L12C		12	195	116.9	151.7	154	194	1.7	10		2
MPS1-0960-L15C		15	225	145.7	181.7	184	224	1.7	10		2
MPS1-0960-L20C		20	275	193.7	231.7	234	274	1.7	10		2
MPS1-0960-L25C		25	325	241.7	281.7	284	324	1.7	10		2
MPS1-0960-L30C		30	375	289.7	331.7	334	374	1.7	10		2
MPS1-0960-L35C		35	424	337.7	381.7	383	423	1.7	10		2

MPS1



Order Number

Order Number		DC	I/d)	OAL	LU	LCF	LH	LF	PL	DCON	DP1021	Type
	MPS1-0970S-DIN		3	89	32.2	47	49	87.2	1.8	10		4
	MPS1-0970S-DIN-C		3	89	32.2	47	49	87.2	1.8	10		2
	MPS1-0970L-DIN		5	103	46.2	62	63	101.2	1.8	10		4
	MPS1-0970L-DIN-C		5	103	46.2	62	63	101.2	1.8	10		2
NEW	MPS1-0970-PC		2	90	20.9	44.5	44	89	1.5	10		2
	MPS1-0970-L8C		8	156	79.6	112	115	154	1.8	10		2
NEW	MPS1-0970-L10C	9.7	10	175	98.8	131.8	134	174	1.8	10		2
NEW	MPS1-0970-L12C		12	195	118.2	151.8	154	194	1.8	10		2
NEW	MPS1-0970-L15C		15	225	147.3	181.8	184	224	1.8	10		2
NEW	MPS1-0970-L20C		20	275	195.8	231.8	234	274	1.8	10		2
NEW	MPS1-0970-L25C		25	325	244.3	281.8	284	324	1.8	10		2
NEW	MPS1-0970-L30C		30	376	292.8	331.8	335	374	1.8	10		2
NEW	MPS1-0970-L35C		35	425	341.3	381.8	384	423	1.8	10		2
	MPS1-0980S-DIN		3	89	32.1	47	49	87.2	1.8	10		4
	MPS1-0980S-DIN-C		3	89	32.1	47	49	87.2	1.8	10		2
	MPS1-0980L-DIN		5	103	46.1	62	63	101.2	1.8	10		4
	MPS1-0980L-DIN-C		5	103	46.1	62	63	101.2	1.8	10		2
NEW	MPS1-0980-PC		2	91	21.1	44.5	45	89	1.5	10		2
	MPS1-0980-L8C		8	156	80.4	112	115	154	1.8	10		2
NEW	MPS1-0980-L10C	9.8	10	176	99.8	131.8	135	174	1.8	10		2
NEW	MPS1-0980-L12C		12	196	119.4	151.8	155	194	1.8	10		2
NEW	MPS1-0980-L15C		15	226	148.8	181.8	185	224	1.8	10		2
NEW	MPS1-0980-L20C		20	276	197.8	231.8	235	274	1.8	10		2
NEW	MPS1-0980-L25C		25	326	246.8	281.8	285	324	1.8	10		2
NEW	MPS1-0980-L30C		30	376	295.8	331.8	335	374	1.8	10		2
NEW	MPS1-0980-L35C		35	425	344.8	381.8	384	423	1.8	10		2
	MPS1-0990S-DIN		3	89	32.0	47	49	87.2	1.8	10		4
	MPS1-0990S-DIN-C		3	89	32.0	47	49	87.2	1.8	10		2
	MPS1-0990L-DIN		5	103	46.0	62	63	101.2	1.8	10		4
	MPS1-0990L-DIN-C		5	103	46.0	62	63	101.2	1.8	10		2
NEW	MPS1-0990-PC		2	91	21.4	44.6	45	89	1.6	10		2
	MPS1-0990-L8C		8	156	81.3	112	115	154	1.8	10		2
NEW	MPS1-0990-L10C	9.9	10	176	100.8	131.8	135	174	1.8	10		2
NEW	MPS1-0990-L12C		12	196	120.6	151.8	155	194	1.8	10		2
NEW	MPS1-0990-L15C		15	226	150.3	181.8	185	224	1.8	10		2
NEW	MPS1-0990-L20C		20	276	199.8	231.8	235	274	1.8	10		2
NEW	MPS1-0990-L25C		25	326	249.3	281.8	285	324	1.8	10		2
NEW	MPS1-0990-L30C		30	376	298.8	331.8	335	374	1.8	10		2
NEW	MPS1-0990-L35C		35	425	348.3	381.8	384	423	1.8	10		2
	MPS1-1000S-DIN		3	89	31.8	47	49	87.2	1.8	10		4
	MPS1-1000S-DIN-C		3	89	31.8	47	49	87.2	1.8	10		2
	MPS1-1000L-DIN		5	103	45.8	62	63	101.2	1.8	10		4
	MPS1-1000L-DIN-C		5	103	45.8	62	63	101.2	1.8	10		2
NEW	MPS1-1000-PC		2	91	21.6	44.6	45	89	1.6	10		2
	MPS1-1000-L8C		8	156	82.1	112	115	154	1.8	10		2
NEW	MPS1-1000-L10C	10	10	176	101.8	131.8	135	174	1.8	10		2
NEW	MPS1-1000-L12C		12	196	121.8	151.8	155	194	1.8	10		2
NEW	MPS1-1000-L15C		15	226	151.8	181.8	185	224	1.8	10		2
NEW	MPS1-1000-L20C		20	276	201.8	231.8	235	274	1.8	10		2
NEW	MPS1-1000-L25C		25	326	251.8	281.8	285	324	1.8	10		2
NEW	MPS1-1000-L30C		30	376	301.8	331.8	335	374	1.8	10		2
NEW	MPS1-1000-L35C		35	425	351.8	381.8	384	423	1.8	10		2

Order Number

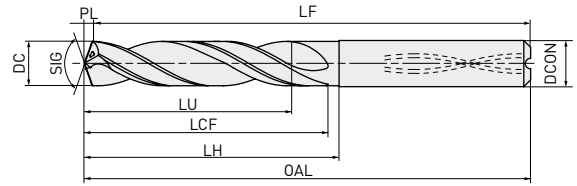
Order Number		DC	I/d)	OAL	LU	LCF	LH	LF	PL	DCON	DP1021	Type	
	MPS1-1005S-DIN	10.05	3	102	39.8	55	57	100.2	1.8	12		4	
	MPS1-1005S-DIN-C		3	102	39.8	55	57	100.2	1.8	12		2	
	MPS1-1005L-DIN		5	118	55.8	71	73	116.2	1.8	12		4	
	MPS1-1005L-DIN-C		5	118	55.8	71	73	116.2	1.8	12		2	
	MPS1-1010S-DIN		3	102	39.7	55	57	100.2	1.8	12		4	
	MPS1-1010S-DIN-C		3	102	39.7	55	57	100.2	1.8	12		2	
	MPS1-1010L-DIN		5	118	55.7	71	73	116.2	1.8	12		4	
	MPS1-1010L-DIN-C		5	118	55.7	71	73	116.2	1.8	12		2	
NEW	MPS1-1010-PC		2	97	21.8	44.6	48	95	1.6	12		2	
	MPS1-1010-L8C		10.1	8	167	82.9	118	121	165	1.8	12		2
NEW	MPS1-1010-L10C		10	188	102.8	138.8	142	186	1.8	12		2	
NEW	MPS1-1010-L12C		12	209	123	159.8	163	207	1.8	12		2	
NEW	MPS1-1010-L15C		15	240	153.3	190.8	194	238	1.8	12		2	
NEW	MPS1-1010-L20C		20	293	203.8	243.8	247	291	1.8	12		2	
NEW	MPS1-1010-L25C		25	345	254.3	295.8	299	343	1.8	12		2	
	MPS1-1020S-DIN		3	102	39.6	55	57	100.1	1.9	12		4	
	MPS1-1020S-DIN-C		3	102	39.6	55	57	100.1	1.9	12		2	
	MPS1-1020L-DIN		5	118	55.6	71	73	116.1	1.9	12		4	
	MPS1-1020L-DIN-C		5	118	55.6	71	73	116.1	1.9	12		2	
NEW	MPS1-1020-PC		2	96	22	44.6	47	95	1.6	12		2	
	MPS1-1020-L8C	10.2	8	167	83.7	118	121	165	1.9	12		2	
NEW	MPS1-1020-L10C		10	187	103.9	138.9	141	186	1.9	12		2	
NEW	MPS1-1020-L12C		12	208	124.3	159.9	162	207	1.9	12		2	
NEW	MPS1-1020-L15C		15	239	154.9	190.9	193	238	1.9	12		2	
NEW	MPS1-1020-L20C		20	292	205.9	243.9	246	291	1.9	12		2	
NEW	MPS1-1020-L25C		25	344	256.9	295.9	298	343	1.9	12		2	
	MPS1-1030S-DIN		3	102	39.4	55	57	100.1	1.9	12		4	
	MPS1-1030S-DIN-C		3	102	39.4	55	57	100.1	1.9	12		2	
	MPS1-1030L-DIN		5	118	55.4	71	73	116.1	1.9	12		4	
	MPS1-1030L-DIN-C		5	118	55.4	71	73	116.1	1.9	12		2	
NEW	MPS1-1030-PC		2	96	22.2	44.6	47	95	1.6	12		2	
	MPS1-1030-L8C		10.3	8	167	84.5	118	121	165	1.9	12		2
NEW	MPS1-1030-L10C		10	187	104.9	138.9	141	186	1.9	12		2	
NEW	MPS1-1030-L12C		12	208	125.5	159.9	162	207	1.9	12		2	
NEW	MPS1-1030-L15C		15	239	156.4	190.9	193	238	1.9	12		2	
NEW	MPS1-1030-L20C		20	292	207.9	243.9	246	291	1.9	12		2	
NEW	MPS1-1030-L25C		25	344	259.4	295.9	298	343	1.9	12		2	
	MPS1-1040S-DIN		3	102	39.3	55	57	100.1	1.9	12		4	
	MPS1-1040S-DIN-C		3	102	39.3	55	57	100.1	1.9	12		2	
	MPS1-1040L-DIN		5	118	55.3	71	73	116.1	1.9	12		4	
	MPS1-1040L-DIN-C		5	118	55.3	71	73	116.1	1.9	12		2	
NEW	MPS1-1040-PC		2	96	22.4	44.6	47	95	1.6	12		2	
	MPS1-1040-L8C		10.4	8	167	85.4	118	121	165	1.9	12		2
NEW	MPS1-1040-L10C		10	187	105.9	138.9	141	186	1.9	12		2	
NEW	MPS1-1040-L12C		12	208	126.7	159.9	162	207	1.9	12		2	
NEW	MPS1-1040-L15C		15	239	157.9	190.9	193	238	1.9	12		2	
NEW	MPS1-1040-L20C		20	292	209.9	243.9	246	291	1.9	12		2	
NEW	MPS1-1040-L25C		25	344	261.9	295.9	298	343	1.9	12		2	



Order Number											
	DC	(U/d)	OAL	LU	LCF	LH	LF	PL	DCON	DP1021	Type
MPS1-1050S-DIN		3	102	39.2	55	57	100.1	1.9	12		4
MPS1-1050S-DIN-C		3	102	39.2	55	57	100.1	1.9	12		2
MPS1-1050L-DIN		5	118	55.2	71	73	116.1	1.9	12		4
MPS1-1050L-DIN-C		5	118	55.2	71	73	116.1	1.9	12		2
MPS1-1050-PC		2	96	22.7	44.7	47	95	1.7	12		2
MPS1-1050-L8C	10.5	8	167	86.2	118	121	165	1.9	12		2
MPS1-1050-L10C		10	187	106.9	138.9	141	186	1.9	12		2
MPS1-1050-L12C		12	208	127.9	159.9	162	207	1.9	12		2
MPS1-1050-L15C		15	239	159.4	190.9	193	238	1.9	12		2
MPS1-1050-L20C		20	292	211.9	243.9	246	291	1.9	12		2
MPS1-1050-L25C		25	344	264.4	295.9	298	343	1.9	12		2
MPS1-1060S-DIN		3	102	39.0	55	57	100.1	1.9	12		4
MPS1-1060S-DIN-C		3	102	39.0	55	57	100.1	1.9	12		2
MPS1-1060L-DIN		5	118	55.0	71	73	116.1	1.9	12		4
MPS1-1060L-DIN-C		5	118	55.0	71	73	116.1	1.9	12		2
MPS1-1060-PC		2	96	22.9	48.7	49	95	1.7	12		2
MPS1-1060-L8C	10.6	8	172	87.0	123	126	170	1.9	12		2
MPS1-1060-L10C		10	193	107.9	144.9	147	192	1.9	12		2
MPS1-1060-L12C		12	215	129.1	166.9	169	214	1.9	12		2
MPS1-1060-L15C		15	248	160.9	199.9	202	247	1.9	12		2
MPS1-1060-L20C		20	303	213.9	254.9	257	302	1.9	12		2
MPS1-1060-L25C		25	358	266.9	309.9	312	357	1.9	12		2
MPS1-1070S-DIN		3	102	38.9	55	57	100.1	1.9	12		4
MPS1-1070S-DIN-C		3	102	38.9	55	57	100.1	1.9	12		2
MPS1-1070L-DIN		5	118	54.9	71	73	116.1	1.9	12		4
MPS1-1070L-DIN-C		5	118	54.9	71	73	116.1	1.9	12		2
MPS1-1070-PC		2	96	23.1	48.7	49	95	1.7	12		2
MPS1-1070-L8C	10.7	8	172	87.8	123	126	170	1.9	12		2
MPS1-1070-L10C		10	193	108.9	144.9	147	192	1.9	12		2
MPS1-1070-L12C		12	215	130.3	166.9	169	214	1.9	12		2
MPS1-1070-L15C		15	248	162.4	199.9	202	247	1.9	12		2
MPS1-1070-L20C		20	303	215.9	254.9	257	302	1.9	12		2
MPS1-1070-L25C		25	358	269.4	309.9	312	357	1.9	12		2
MPS1-1080S-DIN		3	102	38.8	55	57	100	2	12		4
MPS1-1080S-DIN-C		3	102	38.8	55	57	100	2	12		2
MPS1-1080L-DIN		5	118	54.8	71	73	116	2	12		4
MPS1-1080L-DIN-C		5	118	54.8	71	73	116	2	12		2
MPS1-1080-PC		2	96	23.3	48.7	49	95	1.7	12		2
MPS1-1080-L8C	10.8	8	172	88.6	123	126	170	2	12		2
MPS1-1080-L10C		10	193	110	145	147	192	2	12		2
MPS1-1080-L12C		12	215	131.6	167	169	214	2	12		2
MPS1-1080-L15C		15	248	164	200	202	247	2	12		2
MPS1-1080-L20C		20	303	218	255	257	302	2	12		2
MPS1-1080-L25C		25	358	272	310	312	357	2	12		2
MPS1-1090S-DIN		3	102	38.6	55	57	100	2	12		4
MPS1-1090S-DIN-C		3	102	38.6	55	57	100	2	12		2
MPS1-1090L-DIN		5	118	54.6	71	73	116	2	12		4
MPS1-1090L-DIN-C		5	118	54.6	71	73	116	2	12		2
MPS1-1090-PC		2	96	23.5	48.7	49	95	1.7	12		2
MPS1-1090-L8C	10.9	8	172	89.5	123	126	170	2	12		2
MPS1-1090-L10C		10	193	111	145	147	192	2	12		2
MPS1-1090-L12C		12	215	132.8	167	169	214	2	12		2
MPS1-1090-L15C		15	248	165.5	200	202	247	2	12		2
MPS1-1090-L20C		20	303	220	255	257	302	2	12		2
MPS1-1090-L25C		25	358	274.5	310	312	357	2	12		2
MPS1-1100S-DIN		3	102	38.5	55	57	100	2	12		4
MPS1-1100S-DIN-C		3	102	38.5	55	57	100	2	12		2
MPS1-1100L-DIN		5	118	54.5	71	73	116	2	12		4
MPS1-1100L-DIN-C		5	118	54.5	71	73	116	2	12		2
MPS1-1100-PC		2	96	23.7	48.7	49	95	1.7	12		2
MPS1-1100-L8C	11	8	172	90.3	123	126	170	2	12		2
MPS1-1100-L10C		10	194	112	145	148	192	2	12		2
MPS1-1100-L12C		12	216	134	167	170	214	2	12		2
MPS1-1100-L15C		15	249	167	200	203	247	2	12		2
MPS1-1100-L20C		20	304	222	255	258	302	2	12		2
MPS1-1100-L25C		25	359	277	310	313	357	2	12		2

Order Number	DC	I/d	OAL	LU	LCF	LH	LF	PL	DCON	DP1021	
										Type	
MPS1-1110S-DIN		3	102	38.4	55	57	100	2	12		4
MPS1-1110S-DIN-C		3	102	38.4	55	57	100	2	12		2
MPS1-1110L-DIN		5	118	54.4	71	73	116	2	12		4
MPS1-1110L-DIN-C		5	118	54.4	71	73	116	2	12		2
MPS1-1110-PC		2	96	23.9	48.7	51	95	1.7	12		2
MPS1-1110-L8C	11.1	8	178	91.1	129	132	176	2	12		2
MPS1-1110-L10C		10	201	113	152	155	199	2	12		2
MPS1-1110-L12C		12	224	135.2	175	178	222	2	12		2
MPS1-1110-L15C		15	258	168.5	209	212	256	2	12		2
MPS1-1110-L20C		20	316	224	267	270	314	2	12		2
MPS1-1110-L25C		25	373	279.5	324	327	371	2	12		2
MPS1-1120S-DIN		3	102	38.2	55	57	100	2	12		4
MPS1-1120S-DIN-C		3	102	38.2	55	57	100	2	12		2
MPS1-1120L-DIN		5	118	54.2	71	73	116	2	12		4
MPS1-1120L-DIN-C		5	118	54.2	71	73	116	2	12		2
MPS1-1120-PC		2	96	24.2	48.8	51	95	1.8	12		2
MPS1-1120-L8C	11.2	8	178	91.9	129	132	176	2	12		2
MPS1-1120-L10C		10	201	114	152	155	199	2	12		2
MPS1-1120-L12C		12	224	136.4	175	178	222	2	12		2
MPS1-1120-L15C		15	258	170	209	212	256	2	12		2
MPS1-1120-L20C		20	316	226	267	270	314	2	12		2
MPS1-1120-L25C		25	373	282	324	327	371	2	12		2
MPS1-1130S-DIN		3	102	38.1	55	57	99.9	2.1	12		4
MPS1-1130S-DIN-C		3	102	38.1	55	57	99.9	2.1	12		2
MPS1-1130L-DIN		5	118	54.1	71	73	115.9	2.1	12		4
MPS1-1130L-DIN-C		5	118	54.1	71	73	115.9	2.1	12		2
MPS1-1130-PC		2	96	24.4	48.8	51	95	1.8	12		2
MPS1-1130-L8C	11.3	8	178	92.7	129	132	176	2.1	12		2
MPS1-1130-L10C		10	201	115.1	152.1	155	199	2.1	12		2
MPS1-1130-L12C		12	224	137.7	175.1	178	222	2.1	12		2
MPS1-1130-L15C		15	258	171.6	209.1	212	256	2.1	12		2
MPS1-1130-L20C		20	316	228.1	267.1	270	314	2.1	12		2
MPS1-1130-L25C		25	373	284.6	324.1	327	371	2.1	12		2
MPS1-1140S-DIN		3	102	38.0	55	57	99.9	2.1	12		4
MPS1-1140S-DIN-C		3	102	38.0	55	57	99.9	2.1	12		2
MPS1-1140L-DIN		5	118	54.0	71	73	115.9	2.1	12		4
MPS1-1140L-DIN-C		5	118	54.0	71	73	115.9	2.1	12		2
MPS1-1140-PC		2	96	24.6	48.8	51	95	1.8	12		2
MPS1-1140-L8C	11.4	8	178	93.6	129	132	176	2.1	12		2
MPS1-1140-L10C		10	201	116.1	152.1	155	199	2.1	12		2
MPS1-1140-L12C		12	224	138.9	175.1	178	222	2.1	12		2
MPS1-1140-L15C		15	258	173.1	209.1	212	256	2.1	12		2
MPS1-1140-L20C		20	316	230.1	267.1	270	314	2.1	12		2
MPS1-1140-L25C		25	373	287.1	324.1	327	371	2.1	12		2
MPS1-1150S-DIN		3	102	37.8	55	57	99.9	2.1	12		4
MPS1-1150S-DIN-C		3	102	37.8	55	57	99.9	2.1	12		2
MPS1-1150L-DIN		5	118	53.8	71	73	115.9	2.1	12		4
MPS1-1150L-DIN-C		5	118	53.8	71	73	115.9	2.1	12		2
MPS1-1150-PC		2	96	24.8	48.8	51	95	1.8	12		2
MPS1-1150-L8C	11.5	8	178	94.4	129	132	176	2.1	12		2
MPS1-1150-L10C		10	201	117.1	152.1	155	199	2.1	12		2
MPS1-1150-L12C		12	224	140.1	175.1	178	222	2.1	12		2
MPS1-1150-L15C		15	258	174.6	209.1	212	256	2.1	12		2
MPS1-1150-L20C		20	316	232.1	267.1	270	314	2.1	12		2
MPS1-1150-L25C		25	373	289.6	324.1	327	371	2.1	12		2
MPS1-1160S-DIN		3	102	37.7	55	57	99.9	2.1	12		4
MPS1-1160S-DIN-C		3	102	37.7	55	57	99.9	2.1	12		2
MPS1-1160L-DIN		5	118	53.7	71	73	115.9	2.1	12		4
MPS1-1160L-DIN-C		5	118	53.7	71	73	115.9	2.1	12		2
MPS1-1160-PC		2	96	25	48.8	48	95	1.8	12		2
MPS1-1160-L8C	11.6	8	183	95.2	134	137	181	2.1	12		2
MPS1-1160-L10C		10	207	118.1	158.1	161	205	2.1	12		2
MPS1-1160-L12C		12	231	141.3	182.1	185	229	2.1	12		2
MPS1-1160-L15C		15	267	176.1	218.1	221	265	2.1	12		2
MPS1-1160-L20C		20	327	234.1	278.1	281	325	2.1	12		2
MPS1-1160-L25C		25	387	292.1	338.1	341	385	2.1	12		2

MPS1



Order Number	DC	I/d)	OAL	LU	LCF	LH	LF	PL	DCON	DP1021	Type
MPS1-1170S-DIN	3	102	37.6	55	57	99.9	2.1	12	□	4	
MPS1-1170S-DIN-C	3	102	37.6	55	57	99.9	2.1	12	●	2	
MPS1-1170L-DIN	5	118	53.6	71	73	115.9	2.1	12	□	4	
MPS1-1170L-DIN-C	5	118	53.6	71	73	115.9	2.1	12	●	2	
NEW MPS1-1170-PC	2	96	25.2	48.8	48	95	1.8	12	□	2	
MPS1-1170-L8C	11.7	8	183	96.0	134	137	181	2.1	12	●	2
NEW MPS1-1170-L10C	10	207	119.1	158.1	161	205	2.1	12	□	2	
NEW MPS1-1170-L12C	12	231	142.5	182.1	185	229	2.1	12	□	2	
NEW MPS1-1170-L15C	15	267	177.6	218.1	221	265	2.1	12	□	2	
NEW MPS1-1170-L20C	20	327	236.1	278.1	281	325	2.1	12	□	2	
NEW MPS1-1170-L25C	25	387	294.6	338.1	341	385	2.1	12	□	2	
MPS1-1180S-DIN	3	102	37.4	55	57	99.9	2.1	12	□	4	
MPS1-1180S-DIN-C	3	102	37.4	55	57	99.9	2.1	12	●	2	
MPS1-1180L-DIN	5	118	53.4	71	73	115.9	2.1	12	□	4	
MPS1-1180L-DIN-C	5	118	53.4	71	73	115.9	2.1	12	●	2	
NEW MPS1-1180-PC	2	96	25.5	48.9	48	95	1.9	12	□	2	
MPS1-1180-L8C	11.8	8	183	96.8	134	137	181	2.1	12	●	2
NEW MPS1-1180-L10C	10	207	120.1	158.1	161	205	2.1	12	□	2	
NEW MPS1-1180-L12C	12	231	143.7	182.1	185	229	2.1	12	□	2	
NEW MPS1-1180-L15C	15	267	179.1	218.1	221	265	2.1	12	□	2	
NEW MPS1-1180-L20C	20	327	238.1	278.1	281	325	2.1	12	□	2	
NEW MPS1-1180-L25C	25	387	297.1	338.1	341	385	2.1	12	□	2	
MPS1-1190S-DIN	3	102	37.3	55	57	99.8	2.2	12	□	4	
MPS1-1190S-DIN-C	3	102	37.3	55	57	99.8	2.2	12	●	2	
MPS1-1190L-DIN	5	118	53.3	71	73	115.8	2.2	12	□	4	
MPS1-1190L-DIN-C	5	118	53.3	71	73	115.8	2.2	12	●	2	
NEW MPS1-1190-PC	2	96	25.7	48.9	48	95	1.9	12	□	2	
MPS1-1190-L8C	11.9	8	183	97.7	134	137	181	2.2	12	●	2
NEW MPS1-1190-L10C	10	207	121.2	158.2	161	205	2.2	12	□	2	
NEW MPS1-1190-L12C	12	231	145	182.2	185	229	2.2	12	□	2	
NEW MPS1-1190-L15C	15	267	180.7	218.2	221	265	2.2	12	□	2	
NEW MPS1-1190-L20C	20	327	240.2	278.2	281	325	2.2	12	□	2	
NEW MPS1-1190-L25C	25	387	299.7	338.2	341	385	2.2	12	□	2	
MPS1-1200S-DIN	3	102	37.2	55	57	99.8	2.2	12	□	4	
MPS1-1200S-DIN-C	3	102	37.2	55	57	99.8	2.2	12	●	2	
MPS1-1200L-DIN	5	118	53.2	71	73	115.8	2.2	12	□	4	
MPS1-1200L-DIN-C	5	118	53.2	71	73	115.8	2.2	12	●	2	
NEW MPS1-1200-PC	2	96	25.9	48.9	48	95	1.9	12	□	2	
MPS1-1200-L8C	12	8	183	98.5	134	137	181	2.2	12	●	2
NEW MPS1-1200-L10C	10	207	122.2	158.2	161	205	2.2	12	□	2	
NEW MPS1-1200-L12C	12	231	146.2	182.2	185	229	2.2	12	□	2	
NEW MPS1-1200-L15C	15	267	182.2	218.2	221	265	2.2	12	□	2	
NEW MPS1-1200-L20C	20	327	242.2	278.2	281	325	2.2	12	□	2	
NEW MPS1-1200-L25C	25	387	302.2	338.2	341	385	2.2	12	□	2	
MPS1-1205S-DIN	3	107	42.1	60	62	104.8	2.2	14	□	4	
MPS1-1205S-DIN-C	3	107	42.1	60	62	104.8	2.2	14	●	2	
MPS1-1205L-DIN	5	124	59.1	77	79	121.8	2.2	14	□	4	
MPS1-1205L-DIN-C	5	124	59.1	77	79	121.8	2.2	14	●	2	

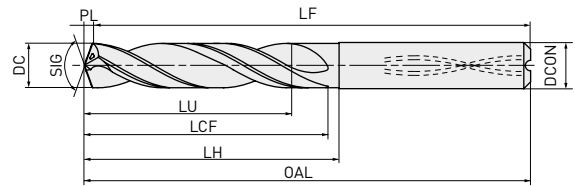
Order Number	DC	I/d)	OAL	LU	LCF	LH	LF	PL	DCON	DP1021	Type
MPS1-1210S-DIN	3	107	42.1	60	62	104.8	2.2	14	□	4	
MPS1-1210S-DIN-C	3	107	42.1	60	62	104.8	2.2	14	●	2	
MPS1-1210L-DIN	5	124	59.1	77	79	121.8	2.2	14	□	4	
MPS1-1210L-DIN-C	5	124	59.1	77	79	121.8	2.2	14	●	2	
NEW MPS1-1210-PC	12.1	2	103	26.1	52.9	55	102	1.9	14	□	2
MPS1-1210-L8C	8	190	99.3	140	144	187	2.2	14	●	2	
NEW MPS1-1210-L10C	10	214	123.2	165.2	168	212	2.2	14	□	2	
NEW MPS1-1210-L12C	12	239	147.4	190.2	193	237	2.2	14	□	2	
NEW MPS1-1210-L15C	15	276	183.7	227.2	230	274	2.2	14	□	2	
NEW MPS1-1210-L20C	20	339	244.2	290.2	293	337	2.2	14	□	2	
MPS1-1220S-DIN	3	107	41.9	60	62	104.8	2.2	14	□	4	
MPS1-1220S-DIN-C	3	107	41.9	60	62	104.8	2.2	14	●	2	
MPS1-1220L-DIN	5	124	58.9	77	79	121.8	2.2	14	□	4	
MPS1-1220L-DIN-C	5	124	58.9	77	79	121.8	2.2	14	●	2	
NEW MPS1-1220-PC	12.2	2	103	26.3	52.9	55	102	1.9	14	□	2
MPS1-1220-L8C	8	190	100.1	140	144	187	2.2	14	●	2	
NEW MPS1-1220-L10C	10	214	124.2	165.2	168	212	2.2	14	□	2	
NEW MPS1-1220-L12C	12	239	148.6	190.2	193	237	2.2	14	□	2	
NEW MPS1-1220-L15C	15	276	185.2	227.2	230	274	2.2	14	□	2	
NEW MPS1-1220-L20C	20	339	246.2	290.2	293	337	2.2	14	□	2	
MPS1-1230S-DIN	3	107	41.8	60	62	104.8	2.2	14	□	4	
MPS1-1230S-DIN-C	3	107	41.8	60	62	104.8	2.2	14	●	2	
MPS1-1230L-DIN	5	124	58.8	77	79	121.8	2.2	14	□	4	
MPS1-1230L-DIN-C	5	124	58.8	77	79	121.8	2.2	14	●	2	
NEW MPS1-1230-PC	12.3	2	103	26.5	52.9	55	102	1.9	14	□	2
MPS1-1230-L8C	8	190	100.9	140	144	187	2.2	14	●	2	
NEW MPS1-1230-L10C	10	214	125.2	165.2	168	212	2.2	14	□	2	
NEW MPS1-1230-L12C	12	239	149.8	190.2	193	237	2.2	14	□	2	
NEW MPS1-1230-L15C	15	276	186.7	227.2	230	274	2.2	14	□	2	
NEW MPS1-1230-L20C	20	339	248.2	290.2	293	337	2.2	14	□	2	
MPS1-1240S-DIN	3	107	41.7	60	62	104.7	2.3	14	□	4	
MPS1-1240S-DIN-C	3	107	41.7	60	62	104.7	2.3	14	●	2	
MPS1-1240L-DIN	5	124	58.7	77	79	121.7	2.3	14	□	4	
MPS1-1240L-DIN-C	5	124	58.7	77	79	121.7	2.3	14	●	2	
NEW MPS1-1240-PC	12.4	2	103	26.8	53	55	102	2	14	□	2
MPS1-1240-L8C	8	190	101.8	140	144	187	2.3	14	●	2	
NEW MPS1-1240-L10C	10	214	126.3	165.3	168	212	2.3	14	□	2	
NEW MPS1-1240-L12C	12	239	151.1	190.3	193	237	2.3	14	□	2	
NEW MPS1-1240-L15C	15	276	188.3	227.3	230	274	2.3	14	□	2	
NEW MPS1-1240-L20C	20	339	250.3	290.3	293	337	2.3	14	□	2	
MPS1-1250S-DIN	3	107	41.5	60	62	104.7	2.3	14	□	4	
MPS1-1250S-DIN-C	3	107	41.5	60	62	104.7	2.3	14	●	2	
MPS1-1250L-DIN	5	124	58.5	77	79	121.7	2.3	14	□	4	
MPS1-1250L-DIN-C	5	124	58.5	77	79	121.7	2.3	14	●	2	
NEW MPS1-1250-PC	12.5	2	103	27	53	55	102	2	14	□	2
MPS1-1250-L8C	8	190	102.6	140	144	187	2.3	14	●	2	
NEW MPS1-1250-L10C	10	214	127.3	165.3	168	212	2.3	14	□	2	
NEW MPS1-1250-L12C	12	239	152.3	190.3	193	237	2.3	14	□	2	
NEW MPS1-1250-L15C	15	276	189.8	227.3	230	274	2.3	14	□	2	
NEW MPS1-1250-L20C	20	339	252.3	290.3	293	337	2.3	14	□	2	



Order Number											
	DC	I/d)	OAL	LU	LCF	LH	LF	PL	DCON	DP1021	Type
	MPS1-1260S-DIN	3	107	41.4	60	62	104.7	2.3	14		4
	MPS1-1260S-DIN-C	3	107	41.4	60	62	104.7	2.3	14		2
	MPS1-1260L-DIN	5	124	58.4	77	79	121.7	2.3	14		4
	MPS1-1260L-DIN-C	5	124	58.4	77	79	121.7	2.3	14		2
NEW	MPS1-1260-PC	2	103	27.2	53	54	102	2	14		2
	MPS1-1260-L8C	8	195	103.4	145	149	192	2.3	14		2
NEW	MPS1-1260-L10C	10	220	128.3	171.3	174	218	2.3	14		2
NEW	MPS1-1260-L12C	12	246	153.5	197.3	200	244	2.3	14		2
NEW	MPS1-1260-L15C	15	285	191.3	236.3	239	283	2.3	14		2
NEW	MPS1-1260-L20C	20	350	254.3	301.3	304	348	2.3	14		2
	MPS1-1270S-DIN	3	107	41.3	60	62	104.7	2.3	14		4
	MPS1-1270S-DIN-C	3	107	41.3	60	62	104.7	2.3	14		2
	MPS1-1270L-DIN	5	124	58.3	77	79	121.7	2.3	14		4
	MPS1-1270L-DIN-C	5	124	58.3	77	79	121.7	2.3	14		2
NEW	MPS1-1270-PC	2	104	27.4	53	55	102	2	14		2
	MPS1-1270-L8C	8	195	104.2	145	149	192	2.3	14		2
NEW	MPS1-1270-L10C	10	220	129.3	171.3	174	218	2.3	14		2
NEW	MPS1-1270-L12C	12	246	154.7	197.3	200	244	2.3	14		2
NEW	MPS1-1270-L15C	15	285	192.8	236.3	239	283	2.3	14		2
NEW	MPS1-1270-L20C	20	350	256.3	301.3	304	348	2.3	14		2
	MPS1-1280S-DIN	3	107	41.1	60	62	104.7	2.3	14		4
	MPS1-1280S-DIN-C	3	107	41.1	60	62	104.7	2.3	14		2
	MPS1-1280L-DIN	5	124	58.1	77	79	121.7	2.3	14		4
	MPS1-1280L-DIN-C	5	124	58.1	77	79	121.7	2.3	14		2
NEW	MPS1-1280-PC	2	104	27.6	53	55	102	2	14		2
	MPS1-1280-L8C	8	195	105.1	145	149	192	2.3	14		2
NEW	MPS1-1280-L10C	10	220	130.3	171.3	174	218	2.3	14		2
NEW	MPS1-1280-L12C	12	246	155.9	197.3	200	244	2.3	14		2
NEW	MPS1-1280-L15C	15	285	194.3	236.3	239	283	2.3	14		2
NEW	MPS1-1280-L20C	20	350	258.3	301.3	304	348	2.3	14		2
	MPS1-1290S-DIN	3	107	41.0	60	62	104.7	2.3	14		4
	MPS1-1290S-DIN-C	3	107	41.0	60	62	104.7	2.3	14		2
	MPS1-1290L-DIN	5	124	58.0	77	79	121.7	2.3	14		4
	MPS1-1290L-DIN-C	5	124	58.0	77	79	121.7	2.3	14		2
NEW	MPS1-1290-PC	2	104	27.8	53	55	102	2	14		2
	MPS1-1290-L8C	8	195	105.9	145	149	192	2.3	14		2
NEW	MPS1-1290-L10C	10	220	131.3	171.3	174	218	2.3	14		2
NEW	MPS1-1290-L12C	12	246	157.1	197.3	200	244	2.3	14		2
NEW	MPS1-1290-L15C	15	285	195.8	236.3	239	283	2.3	14		2
NEW	MPS1-1290-L20C	20	350	260.3	301.3	304	348	2.3	14		2
	MPS1-1300S-DIN	3	107	40.9	60	62	104.6	2.4	14		4
	MPS1-1300S-DIN-C	3	107	40.9	60	62	104.6	2.4	14		2
	MPS1-1300L-DIN	5	124	57.9	77	79	121.6	2.4	14		4
	MPS1-1300L-DIN-C	5	124	57.9	77	79	121.6	2.4	14		2
NEW	MPS1-1300-PC	2	104	28	53	55	102	2	14		2
	MPS1-1300-L8C	8	195	106.7	145	149	192	2.4	14		2
NEW	MPS1-1300-L10C	10	220	132.4	171.4	174	218	2.4	14		2
NEW	MPS1-1300-L12C	12	246	158.4	197.4	200	244	2.4	14		2
NEW	MPS1-1300-L15C	15	285	197.4	236.4	239	283	2.4	14		2
NEW	MPS1-1300-L20C	20	350	262.4	301.4	304	348	2.4	14		2
	MPS1-1310S-DIN	3	107	40.7	60	62	104.6	2.4	14		4
	MPS1-1310S-DIN-C	3	107	40.7	60	62	104.6	2.4	14		2
	MPS1-1310L-DIN	5	124	57.7	77	79	121.6	2.4	14		4
	MPS1-1310L-DIN-C	5	124	57.7	77	79	121.6	2.4	14		2
NEW	MPS1-1310-PC	2	109	28.3	56.1	59	107	2.1	14		2
	MPS1-1310-L8C	8	201	107.5	151	155	198	2.4	14		2
NEW	MPS1-1310-L10C	10	227	133.4	178.4	181	225	2.4	14		2
NEW	MPS1-1310-L12C	12	254	159.6	205.4	208	252	2.4	14		2
NEW	MPS1-1310-L15C	15	294	198.9	245.4	248	292	2.4	14		2
NEW	MPS1-1310-L20C	20	362	264.4	313.4	316	360	2.4	14		2

Order Number											DP1021	Type
	DC	I/d)	OAL	LU	LCF	LH	LF	PL	DCON			
	MPS1-1320S-DIN	3	107	40.6	60	62	104.6	2.4	14	☐	4	
	MPS1-1320S-DIN-C	3	107	40.6	60	62	104.6	2.4	14	☒	2	
	MPS1-1320L-DIN	5	124	57.6	77	79	121.6	2.4	14	☐	4	
	MPS1-1320L-DIN-C	5	124	57.6	77	79	121.6	2.4	14	☒	2	
NEW	MPS1-1320-PC	2	109	28.5	56.1	59	107	2.1	14	☐	2	
	MPS1-1320-L8C	8	201	108.3	151	155	198	2.4	14	☒	2	
NEW	MPS1-1320-L10C	10	227	134.4	178.4	181	225	2.4	14	☐	2	
NEW	MPS1-1320-L12C	12	254	160.8	205.4	208	252	2.4	14	☐	2	
NEW	MPS1-1320-L15C	15	294	200.4	245.4	248	292	2.4	14	☐	2	
NEW	MPS1-1320-L20C	20	362	266.4	313.4	316	360	2.4	14	☐	2	
	MPS1-1330S-DIN	3	107	40.5	60	62	104.6	2.4	14	☐	4	
	MPS1-1330S-DIN-C	3	107	40.5	60	62	104.6	2.4	14	☒	2	
	MPS1-1330L-DIN	5	124	57.5	77	79	121.6	2.4	14	☐	4	
	MPS1-1330L-DIN-C	5	124	57.5	77	79	121.6	2.4	14	☒	2	
NEW	MPS1-1330-PC	2	109	28.7	56.1	59	107	2.1	14	☐	2	
	MPS1-1330-L8C	8	201	109.2	151	155	198	2.4	14	☒	2	
NEW	MPS1-1330-L10C	10	227	135.4	178.4	181	225	2.4	14	☐	2	
NEW	MPS1-1330-L12C	12	254	162	205.4	208	252	2.4	14	☐	2	
NEW	MPS1-1330-L15C	15	294	201.9	245.4	248	292	2.4	14	☐	2	
NEW	MPS1-1330-L20C	20	362	268.4	313.4	316	360	2.4	14	☐	2	
	MPS1-1340S-DIN	3	107	40.3	60	62	104.6	2.4	14	☐	4	
	MPS1-1340S-DIN-C	3	107	40.3	60	62	104.6	2.4	14	☒	2	
	MPS1-1340L-DIN	5	124	57.3	77	79	121.6	2.4	14	☐	4	
	MPS1-1340L-DIN-C	5	124	57.3	77	79	121.6	2.4	14	☒	2	
NEW	MPS1-1340-PC	2	109	28.9	56.1	59	107	2.1	14	☐	2	
	MPS1-1340-L8C	8	201	110.0	151	155	198	2.4	14	☒	2	
NEW	MPS1-1340-L10C	10	227	136.4	178.4	181	225	2.4	14	☐	2	
NEW	MPS1-1340-L12C	12	254	163.2	205.4	208	252	2.4	14	☐	2	
NEW	MPS1-1340-L15C	15	294	203.4	245.4	248	292	2.4	14	☐	2	
NEW	MPS1-1340-L20C	20	362	270.4	313.4	316	360	2.4	14	☐	2	
	MPS1-1350S-DIN	3	107	40.2	60	62	104.5	2.5	14	☐	4	
	MPS1-1350S-DIN-C	3	107	40.2	60	62	104.5	2.5	14	☒	2	
	MPS1-1350L-DIN	5	124	57.2	77	79	121.5	2.5	14	☐	4	
	MPS1-1350L-DIN-C	5	124	57.2	77	79	121.5	2.5	14	☒	2	
NEW	MPS1-1350-PC	2	109	29.1	56.1	59	107	2.1	14	☐	2	
	MPS1-1350-L8C	8	201	110.8	151	155	198	2.5	14	☒	2	
NEW	MPS1-1350-L10C	10	227	137.5	178.5	181	225	2.5	14	☐	2	
NEW	MPS1-1350-L12C	12	254	164.5	205.5	208	252	2.5	14	☐	2	
NEW	MPS1-1350-L15C	15	294	205	245.5	248	292	2.5	14	☐	2	
NEW	MPS1-1350-L20C	20	362	272.5	313.5	316	360	2.5	14	☐	2	
	MPS1-1360S-DIN	3	107	40.1	60	62	104.5	2.5	14	☐	4	
	MPS1-1360S-DIN-C	3	107	40.1	60	62	104.5	2.5	14	☒	2	
	MPS1-1360L-DIN	5	124	57.1	77	79	121.5	2.5	14	☐	4	
	MPS1-1360L-DIN-C	5	124	57.1	77	79	121.5	2.5	14	☒	2	
NEW	MPS1-1360-PC	2	109	29.3	56.1	56	107	2.1	14	☐	2	
	MPS1-1360-L8C	8	206	111.6	156	160	203	2.5	14	☒	2	
NEW	MPS1-1360-L10C	10	233	138.5	184.5	187	231	2.5	14	☐	2	
NEW	MPS1-1360-L12C	12	261	165.7	212.5	215	259	2.5	14	☐	2	
NEW	MPS1-1360-L15C	15	303	206.5	254.5	257	301	2.5	14	☐	2	
NEW	MPS1-1360-L20C	20	373	274.5	324.5	327	371	2.5	14	☐	2	
	MPS1-1370S-DIN	3	107	39.9	60	62	104.5	2.5	14	☐	4	
	MPS1-1370S-DIN-C	3	107	39.9	60	62	104.5	2.5	14	☒	2	
	MPS1-1370L-DIN	5	124	56.9	77	79	121.5	2.5	14	☐	4	
	MPS1-1370L-DIN-C	5	124	56.9	77	79	121.5	2.5	14	☒	2	
NEW	MPS1-1370-PC	2	109	29.6	56.2	56	107	2.2	14	☐	2	
	MPS1-1370-L8C	8	206	112.4	156	160	203	2.5	14	☒	2	
NEW	MPS1-1370-L10C	10	233	139.5	184.5	187	231	2.5	14	☐	2	
NEW	MPS1-1370-L12C	12	261	166.9	212.5	215	259	2.5	14	☐	2	
NEW	MPS1-1370-L15C	15	303	208	254.5	257	301	2.5	14	☐	2	
NEW	MPS1-1370-L20C	20	373	276.5	324.5	327	371	2.5	14	☐	2	

MPS1



Order Number	DC	I/d	OAL	LU	LCF	LH	LF	PL	DCON	DP1021	Type
MPS1-1380S-DIN	3	107	39.8	60	62	104.5	2.5	14	□	4	
MPS1-1380S-DIN-C	3	107	39.8	60	62	104.5	2.5	14	●	2	
MPS1-1380L-DIN	5	124	56.8	77	79	121.5	2.5	14	□	4	
MPS1-1380L-DIN-C	5	124	56.8	77	79	121.5	2.5	14	●	2	
NEW MPS1-1380-PC	2	109	29.8	56.2	56	107	2.2	14	□	2	
MPS1-1380-L8C	8	206	113.3	156	160	203	2.5	14	●	2	
NEW MPS1-1380-L10C	10	233	140.5	184.5	187	231	2.5	14	□	2	
NEW MPS1-1380-L12C	12	261	168.1	212.5	215	259	2.5	14	□	2	
NEW MPS1-1380-L15C	15	303	209.5	254.5	257	301	2.5	14	□	2	
NEW MPS1-1380-L20C	20	373	278.5	324.5	327	371	2.5	14	□	2	
MPS1-1390S-DIN	3	107	39.7	60	62	104.5	2.5	14	□	4	
MPS1-1390S-DIN-C	3	107	39.7	60	62	104.5	2.5	14	●	2	
MPS1-1390L-DIN	5	124	56.7	77	79	121.5	2.5	14	□	4	
MPS1-1390L-DIN-C	5	124	56.7	77	79	121.5	2.5	14	●	2	
NEW MPS1-1390-PC	2	109	30	56.2	56	107	2.2	14	□	2	
MPS1-1390-L8C	8	206	114.1	156	160	203	2.5	14	●	2	
NEW MPS1-1390-L10C	10	233	141.5	184.5	187	231	2.5	14	□	2	
NEW MPS1-1390-L12C	12	261	169.3	212.5	215	259	2.5	14	□	2	
NEW MPS1-1390-L15C	15	303	211	254.5	257	301	2.5	14	□	2	
NEW MPS1-1390-L20C	20	373	280.5	324.5	327	371	2.5	14	□	2	
MPS1-1400S-DIN	3	107	39.5	60	62	104.5	2.5	14	□	4	
MPS1-1400S-DIN-C	3	107	39.5	60	62	104.5	2.5	14	●	2	
MPS1-1400L-DIN	5	124	56.5	77	79	121.5	2.5	14	□	4	
MPS1-1400L-DIN-C	5	124	56.5	77	79	121.5	2.5	14	●	2	
NEW MPS1-1400-PC	2	109	30.2	56.2	56	107	2.2	14	□	2	
MPS1-1400-L8C	8	206	114.9	156	160	203	2.5	14	●	2	
NEW MPS1-1400-L10C	10	233	142.5	184.5	187	231	2.5	14	□	2	
NEW MPS1-1400-L12C	12	261	170.5	212.5	215	259	2.5	14	□	2	
NEW MPS1-1400-L15C	15	303	212.5	254.5	257	301	2.5	14	□	2	
NEW MPS1-1400-L20C	20	373	282.5	324.5	327	371	2.5	14	□	2	
MPS1-1420S-DIN	3	114	43.3	64	66	111.4	2.6	16	□	4	
MPS1-1420S-DIN-C	3	114	43.3	64	66	111.4	2.6	16	●	2	
MPS1-1420L-DIN	5	132	61.3	82	84	129.4	2.6	16	□	4	
MPS1-1420L-DIN-C	5	132	61.3	82	84	129.4	2.6	16	●	2	
MPS1-1450S-DIN	3	114	42.9	64	66	111.4	2.6	16	□	4	
MPS1-1450S-DIN-C	3	114	42.9	64	66	111.4	2.6	16	●	2	
MPS1-1450L-DIN	5	132	60.9	82	84	129.4	2.6	16	□	4	
MPS1-1450L-DIN-C	5	132	60.9	82	84	129.4	2.6	16	●	2	
MPS1-1500S-DIN	3	114	42.2	64	66	111.3	2.7	16	□	4	
MPS1-1500S-DIN-C	3	114	42.2	64	66	111.3	2.7	16	●	2	
MPS1-1500L-DIN	5	132	60.2	82	84	129.3	2.7	16	□	4	
MPS1-1500L-DIN-C	5	132	60.2	82	84	129.3	2.7	16	●	2	
MPS1-1550S-DIN	3	115	41.6	65	67	112.2	2.8	16	□	4	
MPS1-1550S-DIN-C	3	115	41.6	65	67	112.2	2.8	16	●	2	
MPS1-1550L-DIN	5	133	59.6	83	85	130.2	2.8	16	□	4	
MPS1-1550L-DIN-C	5	133	59.6	83	85	130.2	2.8	16	●	2	
MPS1-1600S-DIN	3	115	40.9	65	67	112.1	2.9	16	□	4	
MPS1-1600S-DIN-C	3	115	40.9	65	67	112.1	2.9	16	●	2	
MPS1-1600L-DIN	5	133	58.9	83	85	130.1	2.9	16	□	4	
MPS1-1600L-DIN-C	5	133	58.9	83	85	130.1	2.9	16	●	2	
MPS1-1650S-DIN	3	123	48.3	73	75	120	3	18	□	4	
MPS1-1650S-DIN-C	3	123	48.3	73	75	120	3	18	●	2	
MPS1-1650L-DIN	5	143	68.3	93	95	140	3	18	□	4	
MPS1-1650L-DIN-C	5	143	68.3	93	95	140	3	18	●	2	

Order Number	DC	I/d	OAL	LU	LCF	LH	LF	PL	DCON	DP1021	Type
MPS1-1700S-DIN	3	123	47.6	73	75	119.9	3.1	18	□	4	
MPS1-1700S-DIN-C	3	123	47.6	73	75	119.9	3.1	18	●	2	
MPS1-1700L-DIN	5	143	67.6	93	95	139.9	3.1	18	□	4	
MPS1-1700L-DIN-C	5	143	67.6	93	95	139.9	3.1	18	●	2	
MPS1-1750S-DIN	3	123	46.9	73	75	119.8	3.2	18	□	4	
MPS1-1750S-DIN-C	3	123	46.9	73	75	119.8	3.2	18	●	2	
MPS1-1750L-DIN	5	143	66.9	93	95	139.8	3.2	18	□	4	
MPS1-1750L-DIN-C	5	143	66.9	93	95	139.8	3.2	18	●	2	
MPS1-1800S-DIN	3	123	46.3	73	75	119.7	3.3	18	□	4	
MPS1-1800S-DIN-C	3	123	46.3	73	75	119.7	3.3	18	●	2	
MPS1-1800L-DIN	5	143	66.3	93	95	139.7	3.3	18	□	4	
MPS1-1800L-DIN-C	5	143	66.3	93	95	139.7	3.3	18	●	2	
MPS1-1850S-DIN	3	131	51.6	79	81	127.6	3.4	20	□	4	
MPS1-1850S-DIN-C	3	131	51.6	79	81	127.6	3.4	20	●	2	
MPS1-1850L-DIN	5	153	73.6	101	103	149.6	3.4	20	□	4	
MPS1-1850L-DIN-C	5	153	73.6	101	103	149.6	3.4	20	●	2	
MPS1-1900S-DIN	3	131	51.0	79	81	127.5	3.5	20	□	4	
MPS1-1900S-DIN-C	3	131	51.0	79	81	127.5	3.5	20	●	2	
MPS1-1900L-DIN	5	153	73.0	101	103	149.5	3.5	20	□	4	
MPS1-1900L-DIN-C	5	153	73.0	101	103	149.5	3.5	20	●	2	
MPS1-1950S-DIN	3	131	50.3	79	81	127.5	3.5	20	□	4	
MPS1-1950S-DIN-C	3	131	50.3	79	81	127.5	3.5	20	●	2	
MPS1-1950L-DIN	5	153	72.3	101	103	149.5	3.5	20	□	4	
MPS1-1950L-DIN-C	5	153	72.3	101	103	149.5	3.5	20	●	2	
MPS1-2000S-DIN	3	131	49.6	79	81	127.4	3.6	20	□	4	
MPS1-2000S-DIN-C	3	131	49.6	79	81	127.4	3.6	20	●	2	
MPS1-2000L-DIN	5	153	71.6	101	103	149.4	3.6	20	□	4	
MPS1-2000L-DIN-C	5	153	71.6	101	103	149.4	3.6	20	●	2	

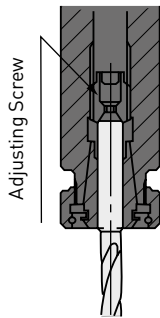


RECOMMENDED CUTTING CONDITIONS

			P			M	K		
DC	L x DC		Mild Steel	Carbon Steel Alloy Steel		Stainless Steel	Cast Iron	Cast Iron	
			≤ 180 HB	180-250 HB	280-350 HB		≤ 350 MPa	≤ 450 MPa	≤ 800 MPa
3	3-8	Vc m/min	100 [60-150]	90 [60-140]	80 [50-110]	40 [20-50]	90 [60-100]	80 [50-90]	60 [40-80]
		f mm/rev	0.15 [0.1-0.2]	0.15 [0.1-0.19]	0.12 [0.1-0.14]	0.08 [0.06-0.12]	0.15 [0.1-0.2]	0.12 [0.08-0.16]	0.09 [0.06-0.12]
	10-25	Vc m/min	90 [40-110]	90 [40-110]	80 [40-90]	40 [20-60]	90 [40-110]	90 [40-110]	
		f mm/rev	0.17 [0.1-0.24]	0.17 [0.1-0.24]	0.15 [0.09-0.22]	0.07 [0.05-0.09]	0.19 [0.11-0.26]	0.17 [0.1-0.24]	
	30-40	Vc m/min	75 [40-95]	75 [40-85]	65 [40-75]	30 [20-50]	75 [45-95]	30 [20-50]	
		f mm/rev	0.14 [0.08-0.19]	0.14 [0.08-0.19]	0.15 [0.07-0.18]	0.06 [0.04-0.07]	0.15 [0.09-0.21]	0.14 [0.08-0.19]	
4	3-8	Vc m/min	120 [70-170]	100 [70-160]	90 [60-120]	40 [30-50]	100 [70-110]	90 [60-100]	70 [50-90]
		f mm/rev	0.19 [0.12-0.25]	0.18 [0.12-0.24]	0.15 [0.12-0.18]	0.09 [0.07-0.13]	0.21 [0.12-0.3]	0.17 [0.1-0.24]	0.13 [0.08-0.18]
	10-25	Vc m/min	90 [40-110]	90 [40-110]	80 [40-90]	40 [20-60]	90 [40-110]	90 [40-110]	
		f mm/rev	0.2 [0.12-0.3]	0.2 [0.12-0.3]	0.18 [0.11-0.27]	0.08 [0.06-0.1]	0.22 [0.13-0.33]	0.2 [0.12-0.3]	
	30-40	Vc m/min	75 [40-95]	75 [40-85]	65 [40-75]	30 [20-50]	75 [45-95]	30 [20-50]	
		f mm/rev	0.16 [0.1-0.24]	0.16 [0.1-0.24]	0.18 [0.09-0.22]	0.06 [0.05-0.08]	0.18 [0.1-0.26]	0.16 [0.1-0.24]	
5	3-8	Vc m/min	130 [80-190]	110 [80-180]	90 [70-140]	40 [30-50]	110 [80-130]	90 [70-120]	70 [60-100]
		f mm/rev	0.23 [0.15-0.3]	0.22 [0.15-0.29]	0.19 [0.15-0.22]	0.11 [0.08-0.16]	0.25 [0.15-0.35]	0.21 [0.14-0.28]	0.17 [0.12-0.22]
	10-25	Vc m/min	90 [40-110]	90 [40-110]	80 [40-90]	40 [20-60]	90 [40-110]	90 [40-110]	
		f mm/rev	0.25 [0.15-0.35]	0.25 [0.15-0.35]	0.22 [0.14-0.32]	0.1 [0.07-0.12]	0.28 [0.17-0.39]	0.25 [0.15-0.35]	
	30-40	Vc m/min	75 [40-95]	75 [40-85]	65 [40-75]	30 [20-50]	75 [45-95]	30 [20-50]	
		f mm/rev	0.2 [0.12-0.28]	0.2 [0.12-0.28]	0.22 [0.11-0.26]	0.08 [0.06-0.1]	0.22 [0.13-0.31]	0.2 [0.12-0.28]	
6	3-8	Vc m/min	140 [90-210]	120 [90-190]	100 [80-150]	50 [40-70]	120 [90-140]	100 [80-130]	80 [70-110]
		f mm/rev	0.27 [0.18-0.35]	0.26 [0.18-0.33]	0.22 [0.18-0.25]	0.14 [0.11-0.18]	0.29 [0.18-0.4]	0.25 [0.16-0.34]	0.2 [0.14-0.26]
	10-25	Vc m/min	110 [70-120]	100 [60-110]	90 [40-110]	50 [20-60]	100 [60-110]	100 [60-110]	
		f mm/rev	0.27 [0.17-0.37]	0.24 [0.15-0.33]	0.24 [0.15-0.33]	0.12 [0.08-0.16]	0.3 [0.19-0.41]	0.27 [0.17-0.37]	
	30-40	Vc m/min	90 [40-110]	80 [40-90]	75 [40-85]	40 [20-60]	90 [60-110]	40 [30-60]	
		f mm/rev	0.22 [0.14-0.3]	0.22 [0.14-0.3]	0.24 [0.12-0.26]	0.1 [0.06-0.13]	0.24 [0.15-0.33]	0.22 [0.14-0.3]	
8	3-8	Vc m/min	160 [100-240]	140 [100-220]	120 [90-170]	50 [40-70]	140 [100-160]	120 [90-150]	100 [80-130]
		f mm/rev	0.3 [0.2-0.4]	0.29 [0.2-0.38]	0.24 [0.2-0.27]	0.15 [0.12-0.2]	0.33 [0.2-0.45]	0.28 [0.18-0.38]	0.23 [0.16-0.3]
	10-25	Vc m/min	110 [70-120]	100 [60-110]	90 [40-110]	50 [20-60]	100 [60-110]	100 [60-110]	
		f mm/rev	0.3 [0.2-0.4]	0.3 [0.2-0.4]	0.27 [0.18-0.36]	0.14 [0.1-0.17]	0.33 [0.22-0.44]	0.3 [0.2-0.4]	
	30-40	Vc m/min	90 [40-110]	80 [40-90]	75 [40-85]	40 [20-50]	90 [60-100]	40 [30-60]	
		f mm/rev	0.24 [0.16-0.32]	0.24 [0.16-0.32]	0.27 [0.14-0.29]	0.11 [0.08-0.14]	0.26 [0.18-0.35]	0.24 [0.16-0.32]	
10	3-8	Vc m/min	170 [100-250]	150 [100-230]	130 [90-180]	50 [40-70]	150 [100-170]	130 [90-160]	110 [80-140]
		f mm/rev	0.33 [0.2-0.45]	0.32 [0.2-0.43]	0.25 [0.2-0.3]	0.16 [0.12-0.22]	0.35 [0.2-0.5]	0.29 [0.18-0.4]	0.24 [0.16-0.32]
	10-25	Vc m/min	110 [70-120]	100 [60-110]	90 [40-110]	50 [20-60]	100 [60-110]	100 [60-110]	
		f mm/rev	0.32 [0.22-0.42]	0.32 [0.22-0.42]	0.29 [0.2-0.38]	0.15 [0.12-0.18]	0.35 [0.24-0.46]	0.32 [0.22-0.42]	
	30-40	Vc m/min	90 [40-110]	80 [40-90]	75 [40-95]	40 [20-50]	90 [60-100]	40 [30-60]	
		f mm/rev	0.26 [0.18-0.34]	0.26 [0.18-0.34]	0.29 [0.16-0.3]	0.12 [0.1-0.14]	0.28 [0.19-0.37]	0.26 [0.18-0.34]	
12	3-8	Vc m/min	180 [100-250]	160 [100-230]	140 [90-180]	50 [40-70]	160 [100-170]	140 [90-160]	110 [80-140]
		f mm/rev	0.35 [0.2-0.5]	0.34 [0.2-0.48]	0.27 [0.2-0.34]	0.18 [0.14-0.24]	0.4 [0.2-0.6]	0.31 [0.18-0.44]	0.25 [0.16-0.34]
	10-25	Vc m/min	130 [90-150]	120 [80-140]	100 [60-110]	60 [25-65]	120 [90-140]	120 [90-140]	
		f mm/rev	0.34 [0.24-0.44]	0.34 [0.24-0.44]	0.3 [0.22-0.4]	0.17 [0.14-0.19]	0.37 [0.26-0.48]	0.34 [0.24-0.44]	
	30-40	Vc m/min	105 [55-125]	95 [55-105]	80 [40-100]	50 [20-60]	105 [65-115]	50 [40-70]	
		f mm/rev	0.27 [0.19-0.35]	0.27 [0.19-0.35]	0.3 [0.18-0.32]	0.14 [0.11-0.15]	0.3 [0.21-0.38]	0.27 [0.19-0.35]	
16	3-8	Vc m/min	180 [100-250]	160 [100-230]	140 [90-180]	50 [40-70]	160 [100-170]	140 [90-160]	110 [80-140]
		f mm/rev	0.38 [0.2-0.55]	0.36 [0.2-0.52]	0.28 [0.2-0.36]	0.19 [0.15-0.26]	0.43 [0.2-0.65]	0.33 [0.18-0.48]	0.27 [0.16-0.38]
	10-25	Vc m/min	130 [90-150]	120 [80-140]	100 [60-110]	60 [25-65]	120 [90-140]	120 [90-140]	
		f mm/rev	0.36 [0.26-0.46]	0.36 [0.26-0.46]	0.32 [0.23-0.41]	0.17 [0.14-0.19]	0.4 [0.29-0.48]	0.36 [0.26-0.46]	
20	3-8	Vc m/min	180 [100-250]	160 [100-230]	140 [90-180]	50 [40-70]	160 [100-170]	140 [90-160]	110 [80-140]
		f mm/rev	0.4 [0.2-0.6]	0.39 [0.2-0.57]	0.3 [0.2-0.4]	0.21 [0.16-0.28]	0.45 [0.2-0.7]	0.35 [0.18-0.52]	0.28 [0.16-0.4]

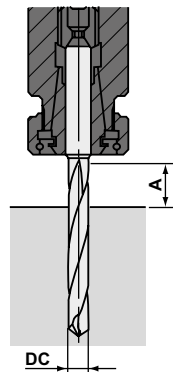
OPERATIONAL GUIDANCE

DRILL HOLDING



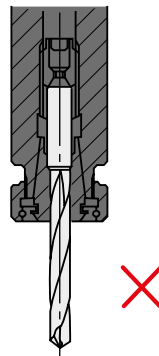
Thrust bearing type collet chuck holds the drill securely.

DRILL LENGTH



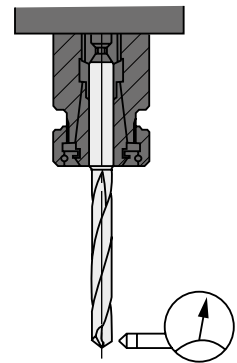
$$A \geq DC \times 1.5$$

DRILL INSTALLATION



Do not clamp on the flutes.

INSTALLATION TOLERANCE

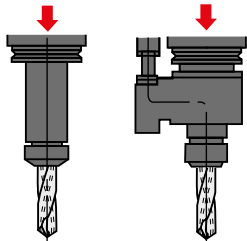


Run-out $\leq 0.03\text{mm}$

THROUGH COOLANT TYPE

Spindles Through Coolant Type

Revolving Coolant Machine Type

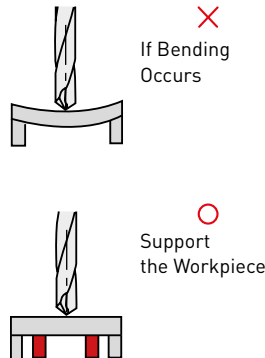


Coolant pressure is approx. 0.5–1MPa (< $\phi 5: 2\text{--}3\text{MPa}$).

COOLANT HANDLING

1. Small particles of swarf will jam in the oil hole of small diameter drills. Always use a fine mesh filter as a preventative measure.
2. Dirt and dust particles adhere to the oil in old coolant and prevent an efficient flow. Regular coolant exchange is recommended.

THIN WORKPIECE

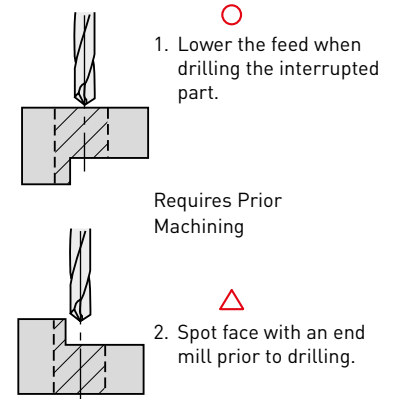


If Bending Occurs

Support the Workpiece

INTERRUPTED CUTTING

One Process

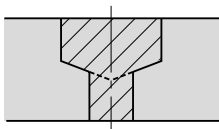


1. Lower the feed when drilling the interrupted part.

Requires Prior Machining

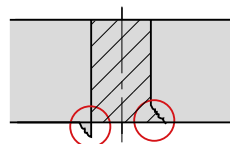
2. Spot face with an end mill prior to drilling.

STEPPED HOLES



1. Divide the two processes.
 2. Drill the larger hole first.
- * A tool for machining both chamfer and spot face can be produced to order.

BURRING AND WORKPIECE CHIPPING



1. Lower the feed rate by 50% at the end of through cutting.
2. Add a 45° chamfer.
3. Change the point angle.

HOW TO USE LONG TYPE DRILLS

DRILLING A BLIND HOLE

1. Drilling a pilot hole



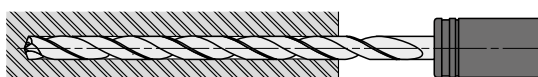
1. Use a drill with a larger (flatter) point angle than the super long type. Mitsubishi type MPS1 (PC) is recommended.
2. Ensure a high precision hole is drilled for the guide.
3. Drill depth : Approx 1DC or deeper.
(Adjust the pilot hole depth according to the length of the super long type.)

2. Initial cutting with the long type drill



1. Penetrate the pilot hole at low revolution.
(Cutting speed 20—30m/min, feed rate 0.2—0.3mm/rev)
2. Stop the long type drill 1—3mm short of the pilot hole bottom.

3. Drill the deep hole



1. Start cutting at the recommended speed and feed with a non-peck (continuous feed) cycle.

4. Drill retraction



1. After drilling, lower the cutting revolution about 1—2mm short of the hole end. (Cutting speed of around 20—30m/min)
2. Retract the drill to the pilot hole depth starting point at a feed rate of 3000mm/min.
3. Finally, clear the hole at a cutting speed of 20—30m/min and feed rate of 0.2—0.3mm/rev.

DRILLING AND BREAKING THROUGH ON IRREGULAR FACES OR ANGLES

1. Spot facing



1. Machine a flat on the irregular face by using an end mill or slot drill capable of spot facing. Make the spot face diameter the same size as the required deep hole diameter.

2. Drilling a pilot hole



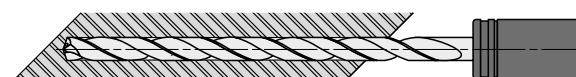
1. Use a drill with a larger (flatter) point angle than the super long type. Mitsubishi type MPS1 (PC) is recommended.
2. Ensure a high precision hole is drilled for the guide.
3. Drill depth : Approx 1DC or deeper.
(Adjust the pilot hole depth according to the length of the super long type.)

3. Initial cutting with the long type drill



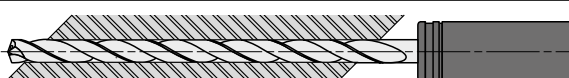
1. Penetrate the pilot hole at a low revolution.
(Cutting speed 20—30m/min, feed rate 0.2—0.3mm/rev)
2. Stop the long type drill 1—3mm short of the pilot hole bottom.

4. Drill the deep hole



1. Start cutting at the recommended speed and feed with a non-peck (continuous feed) cycle.
2. Feed as usual until breaking through.

5. Breaking through



1. When breaking through, the cutting edge can be damaged.
2. A feed rate of 0.05—0.1mm/rev is recommended.

6. Drill retraction



1. Retract the drill to the pilot hole depth starting point at a feed rate of 3000mm/min.
2. Finally clear the hole at a cutting speed of 20—30m/min and feed rate of 0.2—0.3mm/rev.

MEMO

A series of horizontal dotted lines for writing.

MEMO

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