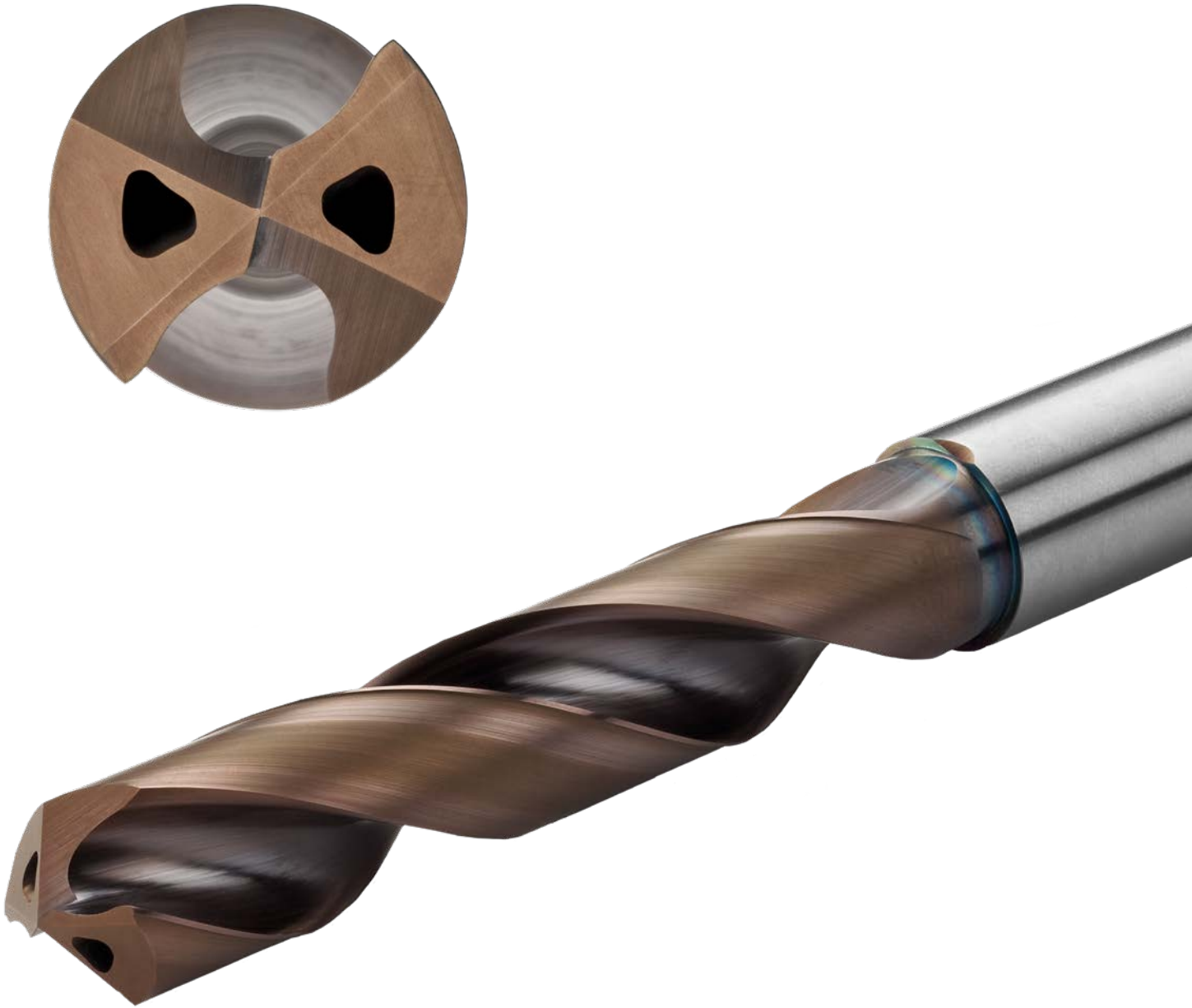

MMS

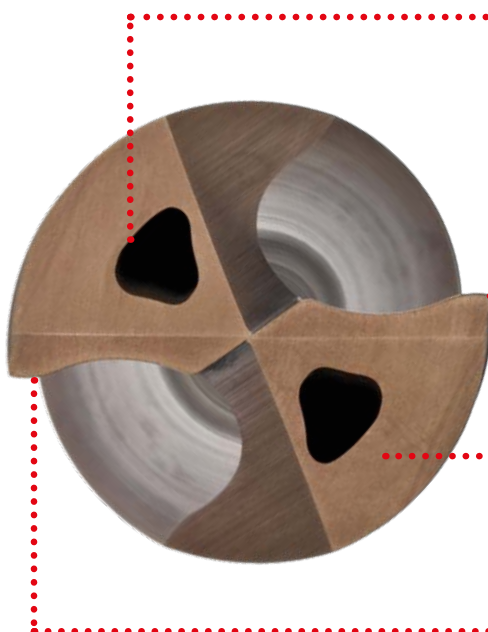
SOLID CARBIDE DRILL FOR STAINLESS STEEL MATERIALS



MMS

SOLID CARBIDE DRILL FOR STAINLESS STEEL MATERIALS

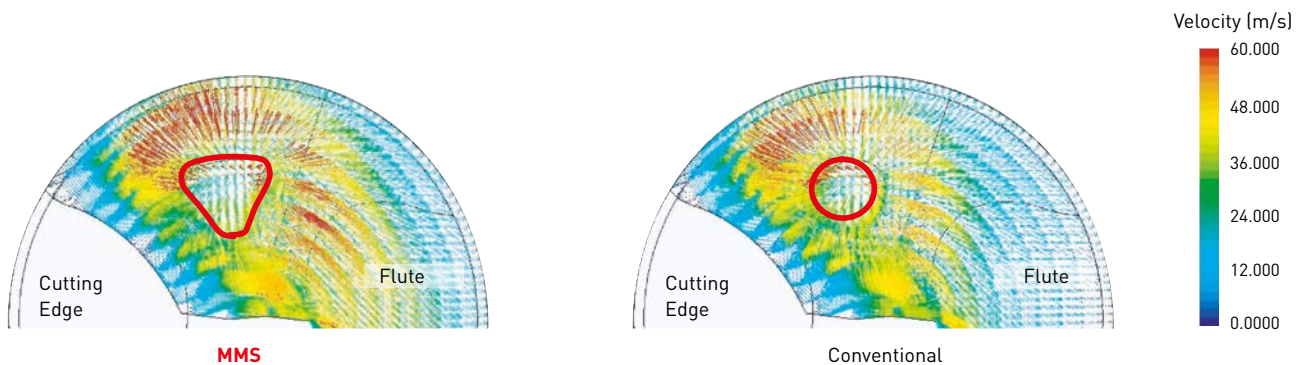
UNIQUE COOLANT HOLE GEOMETRY FOR HIGH PRODUCTIVITY & LONG TOOL LIFE



- COOLANT HOLE GEOMETRY**
Employs the TRI-cooling technology. The volume of coolant flow is increased due to the unique hole shape.
- SPECIAL MARGIN TO REDUCE CUTTING RESISTANCE**
Special margin width highly suitable for drilling stainless steel materials. Lower cutting resistance offering higher machining performance.
- TOOL GRADE DP7020**
Ideal carbide substrate for stainless steels, with a PVD coating offering improved lubricity.
- WAVY CUTTING EDGE IDEAL FOR STAINLESS STEEL**
The concave main cutting edge improves sharpness, plus the convex outer section of the cutting edge improves overall strength.

**COMPARED TO CONVENTIONAL DRILLS, COOLANT VOLUME IS DOUBLED.
WITH IMPROVED COOLING FOR LONGER TOOL LIFE.**

COOLANT FLOW SPEED SIMULATION (4700RPM)



MMS



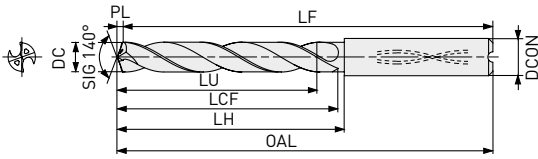
SOLID CARBIDE DRILL FOR STAINLESS STEEL MATERIALS

M



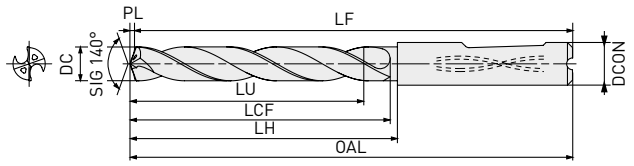
1 Cylindrical shank type

MMS---S/L-DIN-C (l/d 3-5)
MMS---X3/X5DB (l/d 3-5)



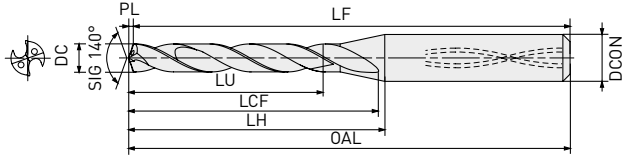
2 Whistle notch shank type

MMS---S/L-DIN (l/d 3-5)



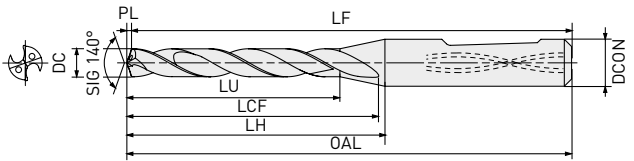
3 Cylindrical shank type with taper neck

MMS---S/L-DIN-C (l/d 3-5)
MMS---X3/X5DB (l/d 3-5)



4 Whistle notch shank type with taper neck

MMS---S/L-DIN (l/d 3-5)



	DC=3	3<DC≤6	6<DC≤10	10<DC≤18	18<DC≤20
DIN type (m7)	+0.012	+0.016	+0.021	+0.025	+0.029
Others (h8)	+0.002	+0.004	+0.006	+0.007	+0.008
	0	0	0	0	0
	-0.014	-0.018	-0.022	-0.027	-0.033
		0	0	0	0
		-0.008	-0.009	-0.011	-0.013

- For high accuracy and efficient drilling of stainless steels.
- Drills with TRI coolant holes start from Ø4.60mm.

Order number	DP7020	Hole depth	DC	Dimensions (mm)						Type	
				LU	LCF	LH	OAL	LF	PL		DCON
MMS0300S-DIN-C	●	3	3.0	9.0	20.0	26.0	62.0	61.5	0.5	6	3
MMS0300L-DIN-C	●	5		15.0	28.0	30.0	66.0	65.5	0.5	6	3
MMS0300X3DB	★	3		9.0	22.0	24.0	70.5	70.0	0.5	6	3
MMS0300X5DB	★	5		15.0	29.0	32.0	78.5	78.0	0.5	6	3
MMS0305S-DIN	□	3	3.05	9.2	20.0	26.0	62.0	61.4	0.6	6	4
MMS0305S-DIN-C	●	3		9.2	20.0	26.0	62.0	61.4	0.6	6	3
MMS0305L-DIN	□	5		15.3	28.0	30.0	66.0	65.4	0.6	6	4
MMS0305L-DIN-C	●	5		15.3	28.0	30.0	66.0	65.4	0.6	6	3

MMS

Order number	DP7020	Hole depth	DC	Dimensions (mm)						Type	
				LU	LCF	LH	OAL	LF	PL		DCON
MMS0310S-DIN	□	3	3.1	9.3	20.0	26.0	62.0	61.4	0.6	6	4
MMS0310S-DIN-C	●	3		9.3	20.0	26.0	62.0	61.4	0.6	6	3
MMS0310L-DIN	□	5		15.5	28.0	30.0	66.0	65.4	0.6	6	4
MMS0310L-DIN-C	●	5		15.5	28.0	30.0	66.0	65.4	0.6	6	3
MMS0310X3DB	★	3		9.3	22.0	24.0	70.6	70.0	0.6	6	3
MMS0310X5DB	★	5		15.5	29.0	32.0	78.6	78.0	0.6	6	3
MMS0320S-DIN	□	3	3.2	9.6	20.0	26.0	62.0	61.4	0.6	6	4
MMS0320S-DIN-C	●	3		9.6	20.0	26.0	62.0	61.4	0.6	6	3
MMS0320L-DIN	□	5		16.0	28.0	30.0	66.0	65.4	0.6	6	4
MMS0320L-DIN-C	●	5		16.0	28.0	30.0	66.0	65.4	0.6	6	3
MMS0320X3DB	★	3		9.6	22.0	24.0	70.6	70.0	0.6	6	3
MMS0320X5DB	★	5		16.0	29.0	32.0	78.6	78.0	0.6	6	3
MMS0330S-DIN	□	3	3.3	9.9	20.0	26.0	62.0	61.4	0.6	6	4
MMS0330S-DIN-C	●	3		9.9	20.0	26.0	62.0	61.4	0.6	6	3
MMS0330L-DIN	□	5		16.5	28.0	30.0	66.0	65.4	0.6	6	4
MMS0330L-DIN-C	●	5		16.5	28.0	30.0	66.0	65.4	0.6	6	3
MMS0330X3DB	★	3		9.9	22.0	24.0	70.6	70.0	0.6	6	3
MMS0330X5DB	★	5		16.5	29.0	32.0	78.6	78.0	0.6	6	3
MMS0340S-DIN	□	3	3.4	10.2	20.0	26.0	62.0	61.4	0.6	6	4
MMS0340S-DIN-C	●	3		10.2	20.0	26.0	62.0	61.4	0.6	6	3
MMS0340L-DIN	□	5		17.0	28.0	30.0	66.0	65.4	0.6	6	4
MMS0340L-DIN-C	●	5		17.0	28.0	30.0	66.0	65.4	0.6	6	3
MMS0340X3DB	★	3		10.2	22.0	24.0	70.6	70.0	0.6	6	3
MMS0340X5DB	★	5		17.0	29.0	32.0	78.6	78.0	0.6	6	3
MMS0350S-DIN	□	3	3.5	10.5	20.0	26.0	62.0	61.4	0.6	6	4
MMS0350S-DIN-C	●	3		10.5	20.0	26.0	62.0	61.4	0.6	6	3
MMS0350L-DIN	□	5		17.5	28.0	30.0	66.0	65.4	0.6	6	4
MMS0350L-DIN-C	●	5		17.5	28.0	30.0	66.0	65.4	0.6	6	3
MMS0350X3DB	★	3		10.5	22.0	24.0	70.6	70.0	0.6	6	3
MMS0350X5DB	★	5		17.5	29.0	32.0	78.6	78.0	0.6	6	3
MMS0360S-DIN	□	3	3.6	10.8	20.0	26.0	62.0	61.3	0.7	6	4
MMS0360S-DIN-C	●	3		10.8	20.0	26.0	62.0	61.3	0.7	6	3
MMS0360L-DIN	□	5		18.0	28.0	30.0	66.0	65.3	0.7	6	4
MMS0360L-DIN-C	●	5		18.0	28.0	30.0	66.0	65.3	0.7	6	3
MMS0360X3DB	★	3		10.8	23.0	24.0	70.7	70.0	0.7	6	3
MMS0360X5DB	★	5		18.0	31.0	32.0	78.7	78.0	0.7	6	3
MMS0370S-DIN	□	3	3.7	11.1	20.0	26.0	62.0	61.3	0.7	6	4
MMS0370S-DIN-C	●	3		11.1	20.0	26.0	62.0	61.3	0.7	6	3
MMS0370L-DIN	□	5		18.5	28.0	30.0	66.0	65.3	0.7	6	4
MMS0370L-DIN-C	●	5		18.5	28.0	30.0	66.0	65.3	0.7	6	3
MMS0370X3DB	★	3		11.1	23.0	24.0	70.7	70.0	0.7	6	3
MMS0370X5DB	★	5		18.5	31.0	32.0	78.7	78.0	0.7	6	3
MMS0380S-DIN	□	3	3.8	11.4	24.0	30.0	66.0	65.3	0.7	6	4
MMS0380S-DIN-C	●	3		11.4	24.0	30.0	66.0	65.3	0.7	6	3
MMS0380L-DIN	□	5		19.0	36.0	38.0	74.0	73.3	0.7	6	4
MMS0380L-DIN-C	●	5		19.0	36.0	38.0	74.0	73.3	0.7	6	3
MMS0380X3DB	★	3		11.4	23.0	24.0	70.7	70.0	0.7	6	3
MMS0380X5DB	★	5		19.0	31.0	32.0	78.7	78.0	0.7	6	3

MMS

Order number	DP7020	Hole depth	DC	Dimensions (mm)						Type	
				LU	LCF	LH	OAL	LF	PL		DCON
MMS0390S-DIN	□	3	3.9	11.7	24.0	30.0	66.0	65.3	0.7	6	4
MMS0390S-DIN-C	●	3		11.7	24.0	30.0	66.0	65.3	0.7	6	3
MMS0390L-DIN	□	5		19.5	36.0	38.0	74.0	73.3	0.7	6	4
MMS0390L-DIN-C	●	5		19.5	36.0	38.0	74.0	73.3	0.7	6	3
MMS0390X3DB	★	3		11.7	23.0	24.0	70.7	70.0	0.7	6	3
MMS0390X5DB	★	5		19.5	31.0	32.0	78.7	78.0	0.7	6	3
MMS0400S-DIN-C	●	3	4.0	12.0	24.0	30.0	66.0	65.3	0.7	6	3
MMS0400L-DIN-C	●	5		20.0	36.0	38.0	74.0	73.3	0.7	6	3
MMS0400X3DB	★	3		12.0	23.0	24.0	70.7	70.0	0.7	6	3
MMS0400X5DB	★	5		20.0	31.0	32.0	78.7	78.0	0.7	6	3
MMS0405S-DIN	□	3	4.05	12.2	24.0	30.0	66.0	65.3	0.7	6	4
MMS0405S-DIN-C	●	3		12.2	24.0	30.0	66.0	65.3	0.7	6	3
MMS0405L-DIN	□	5		20.3	36.0	38.0	74.0	73.3	0.7	6	4
MMS0405L-DIN-C	●	5		20.3	36.0	38.0	74.0	73.3	0.7	6	3
MMS0410S-DIN	□	3	4.1	12.3	24.0	30.0	66.0	65.3	0.7	6	4
MMS0410S-DIN-C	●	3		12.3	24.0	30.0	66.0	65.3	0.7	6	3
MMS0410L-DIN	□	5		20.5	36.0	38.0	74.0	73.3	0.7	6	4
MMS0410L-DIN-C	●	5		20.5	36.0	38.0	74.0	73.3	0.7	6	3
MMS0410X3DB	★	3		12.3	25.0	27.0	73.7	73.0	0.7	6	3
MMS0410X5DB	★	5		20.5	34.0	36.0	82.7	82.0	0.7	6	3
MMS0420S-DIN-C	●	3	4.2	12.6	24.0	30.0	66.0	65.2	0.8	6	3
MMS0420L-DIN-C	●	5		21.0	36.0	38.0	74.0	73.2	0.8	6	3
MMS0420X3DB	★	3		12.6	25.0	27.0	73.8	73.0	0.8	6	3
MMS0420X5DB	★	5		21.0	34.0	36.0	82.8	82.0	0.8	6	3
MMS0430S-DIN	□	3	4.3	12.9	24.0	30.0	66.0	65.2	0.8	6	4
MMS0430S-DIN-C	●	3		12.9	24.0	30.0	66.0	65.2	0.8	6	3
MMS0430L-DIN	□	5		21.5	36.0	38.0	74.0	73.2	0.8	6	4
MMS0430L-DIN-C	●	5		21.5	36.0	38.0	74.0	73.2	0.8	6	3
MMS0430X3DB	★	3		12.9	25.0	27.0	73.8	73.0	0.8	6	3
MMS0430X5DB	★	5		21.5	34.0	36.0	82.8	82.0	0.8	6	3
MMS0440S-DIN	□	3	4.4	13.2	24.0	30.0	66.0	65.2	0.8	6	4
MMS0440S-DIN-C	□	3		13.2	24.0	30.0	66.0	65.2	0.8	6	3
MMS0440L-DIN	□	5		22.0	36.0	38.0	74.0	73.2	0.8	6	4
MMS0440L-DIN-C	□	5		22.0	36.0	38.0	74.0	73.2	0.8	6	3
MMS0440X3DB	★	3		13.2	25.0	27.0	73.8	73.0	0.8	6	3
MMS0440X5DB	★	5		22.0	34.0	36.0	82.8	82.0	0.8	6	3
MMS0450S-DIN	□	3	4.5	13.5	24.0	30.0	66.0	65.2	0.8	6	4
MMS0450S-DIN-C	●	3		13.5	24.0	30.0	66.0	65.2	0.8	6	3
MMS0450L-DIN	□	5		22.5	36.0	38.0	74.0	73.2	0.8	6	4
MMS0450L-DIN-C	●	5		22.5	36.0	38.0	74.0	73.2	0.8	6	3
MMS0450X3DB	★	3		13.5	25.0	27.0	73.8	73.0	0.8	6	3
MMS0450X5DB	★	5		22.5	34.0	36.0	82.8	82.0	0.8	6	3
MMS0460S-DIN	□	3	4.6	13.8	24.0	30.0	66.0	65.2	0.8	6	2
MMS0460S-DIN-C	●	3		13.8	24.0	30.0	66.0	65.2	0.8	6	1
MMS0460L-DIN	□	5		23.0	36.0	38.0	74.0	73.2	0.8	6	2
MMS0460L-DIN-C	●	5		23.0	36.0	38.0	74.0	73.2	0.8	6	1
MMS0460X3DB	★	3		13.8	26.0	29.0	75.8	75.0	0.8	6	1
MMS0460X5DB	★	5		23.0	36.0	39.0	85.8	85.0	0.8	6	1
MMS0465S-DIN	□	3	4.65	14.0	24.0	30.0	66.0	65.2	0.8	6	2
MMS0465S-DIN-C	●	3		14.0	24.0	30.0	66.0	65.2	0.8	6	1
MMS0465L-DIN	□	5		23.3	36.0	38.0	74.0	73.2	0.8	6	2
MMS0465L-DIN-C	●	5		23.3	36.0	38.0	74.0	73.2	0.8	6	1

MMS

Order number	DP7020	Hole depth	DC	Dimensions (mm)						Type	
				LU	LCF	LH	OAL	LF	PL		DCON
MMS0470S-DIN	□	3	4.7	14.1	24.0	30.0	66.0	65.1	0.9	6	2
MMS0470S-DIN-C	□	3		14.1	24.0	30.0	66.0	65.1	0.9	6	1
MMS0470L-DIN	□	5		23.5	36.0	38.0	74.0	73.1	0.9	6	2
MMS0470L-DIN-C	□	5		23.5	36.0	38.0	74.0	73.1	0.9	6	1
MMS0470X3DB	★	3		14.1	26.0	29.0	75.9	75.0	0.9	6	1
MMS0470X5DB	★	5		23.5	36.0	39.0	85.9	85.0	0.9	6	1
MMS0480S-DIN	□	3	4.8	14.4	28.0	30.0	66.0	65.1	0.9	6	2
MMS0480S-DIN-C	●	3		14.4	28.0	30.0	66.0	65.1	0.9	6	1
MMS0480L-DIN	□	5		24.0	44.0	46.0	82.0	81.1	0.9	6	2
MMS0480L-DIN-C	●	5		24.0	44.0	46.0	82.0	81.1	0.9	6	1
MMS0480X3DB	★	3		14.4	26.0	29.0	75.9	75.0	0.9	6	1
MMS0480X5DB	★	5		24.0	36.0	39.0	85.9	85.0	0.9	6	1
MMS0490S-DIN	□	3	4.9	14.7	28.0	30.0	66.0	65.1	0.9	6	2
MMS0490S-DIN-C	□	3		14.7	28.0	30.0	66.0	65.1	0.9	6	1
MMS0490L-DIN	□	5		24.5	44.0	46.0	82.0	81.1	0.9	6	2
MMS0490L-DIN-C	□	5		24.5	44.0	46.0	82.0	81.1	0.9	6	1
MMS0490X3DB	★	3		14.7	26.0	29.0	75.9	75.0	0.9	6	1
MMS0490X5DB	★	5		24.5	36.0	39.0	85.9	85.0	0.9	6	1
MMS0500S-DIN-C	●	3	5.0	15.0	28.0	30.0	66.0	65.1	0.9	6	1
MMS0500L-DIN-C	●	5		25.0	44.0	46.0	82.0	81.1	0.9	6	1
MMS0500X3DB	★	3		15.0	26.0	29.0	75.9	75.0	0.9	6	1
MMS0500X5DB	★	5		25.0	36.0	39.0	85.9	85.0	0.9	6	1
MMS0505S-DIN	□	3	5.05	15.2	28.0	30.0	66.0	65.1	0.9	6	2
MMS0505S-DIN-C	●	3		15.2	28.0	30.0	66.0	65.1	0.9	6	1
MMS0505L-DIN	□	5		25.3	44.0	46.0	82.0	81.1	0.9	6	2
MMS0505L-DIN-C	●	5		25.3	44.0	46.0	82.0	81.1	0.9	6	1
MMS0510S-DIN	□	3	5.1	15.3	28.0	30.0	66.0	65.1	0.9	6	2
MMS0510S-DIN-C	●	3		15.3	28.0	30.0	66.0	65.1	0.9	6	1
MMS0510L-DIN	□	5		25.5	44.0	46.0	82.0	81.1	0.9	6	2
MMS0510L-DIN-C	●	5		25.5	44.0	46.0	82.0	81.1	0.9	6	1
MMS0510X3DB	★	3		15.3	29.0	31.0	81.9	81.0	0.9	6	1
MMS0510X5DB	★	5		25.5	40.0	43.0	89.9	89.0	0.9	6	1
MMS0520S-DIN	□	3	5.2	15.6	28.0	30.0	66.0	65.1	0.9	6	2
MMS0520S-DIN-C	●	3		15.6	28.0	30.0	66.0	65.1	0.9	6	1
MMS0520L-DIN	□	5		26.0	44.0	46.0	82.0	81.1	0.9	6	2
MMS0520L-DIN-C	●	5		26.0	44.0	46.0	82.0	81.1	0.9	6	1
MMS0520X3DB	★	3		15.6	29.0	31.0	81.9	81.0	0.9	6	1
MMS0520X5DB	★	5		26.0	40.0	43.0	89.9	89.0	0.9	6	1
MMS0530S-DIN	□	3	5.3	15.9	28.0	30.0	66.0	65.0	1.0	6	2
MMS0530S-DIN-C	□	3		15.9	28.0	30.0	66.0	65.0	1.0	6	1
MMS0530L-DIN	□	5		26.5	44.0	46.0	82.0	81.0	1.0	6	2
MMS0530L-DIN-C	□	5		26.5	44.0	46.0	82.0	81.0	1.0	6	1
MMS0530X3DB	★	3		15.9	29.0	31.0	82.0	81.0	1.0	6	1
MMS0530X5DB	★	5		26.5	40.0	43.0	90.0	89.0	1.0	6	1
MMS0540S-DIN	□	3	5.4	16.2	28.0	30.0	66.0	65.0	1.0	6	2
MMS0540S-DIN-C	□	3		16.2	28.0	30.0	66.0	65.0	1.0	6	1
MMS0540L-DIN	□	5		27.0	44.0	46.0	82.0	81.0	1.0	6	2
MMS0540L-DIN-C	□	5		27.0	44.0	46.0	82.0	81.0	1.0	6	1
MMS0540X3DB	★	3		16.2	29.0	31.0	82.0	81.0	1.0	6	1
MMS0540X5DB	★	5		27.0	40.0	43.0	90.0	89.0	1.0	6	1

MMS

Order number	DP7020	Hole depth	DC	Dimensions (mm)						Type	
				LU	LCF	LH	OAL	LF	PL		DCON
MMS0550S-DIN	□	3	5.5	16.5	28.0	30.0	66.0	65.0	1.0	6	2
MMS0550S-DIN-C	●	3		16.5	28.0	30.0	66.0	65.0	1.0	6	1
MMS0550L-DIN	□	5		27.5	44.0	46.0	82.0	81.0	1.0	6	2
MMS0550L-DIN-C	●	5		27.5	44.0	46.0	82.0	81.0	1.0	6	1
MMS0550X3DB	★	3		16.5	29.0	31.0	82.0	81.0	1.0	6	1
MMS0550X5DB	★	5		27.5	40.0	43.0	90.0	89.0	1.0	6	1
MMS0555S-DIN	□	3	5.55	16.7	28.0	30.0	66.0	65.0	1.0	6	2
MMS0555S-DIN-C	●	3		16.7	28.0	30.0	66.0	65.0	1.0	6	1
MMS0555L-DIN-C	●	5		27.8	44.0	46.0	82.0	81.0	1.0	6	1
MMS0560S-DIN	□	3	5.6	16.8	28.0	30.0	66.0	65.0	1.0	6	2
MMS0560S-DIN-C	●	3		16.8	28.0	30.0	66.0	65.0	1.0	6	1
MMS0560L-DIN	□	5		28.0	44.0	46.0	82.0	81.0	1.0	6	2
MMS0560L-DIN-C	●	5		28.0	44.0	46.0	82.0	81.0	1.0	6	1
MMS0560X3DB	★	3		16.8	31.0	31.0	82.0	81.0	1.0	6	1
MMS0560X5DB	★	5		28.0	43.0	43.0	90.0	89.0	1.0	6	1
MMS0570S-DIN	□	3	5.7	17.1	28.0	30.0	66.0	65.0	1.0	6	2
MMS0570S-DIN-C	●	3		17.1	28.0	30.0	66.0	65.0	1.0	6	1
MMS0570L-DIN	□	5		28.5	44.0	46.0	82.0	81.0	1.0	6	2
MMS0570L-DIN-C	●	5		28.5	44.0	46.0	82.0	81.0	1.0	6	1
MMS0570X3DB	★	3		17.1	31.0	31.0	82.0	81.0	1.0	6	1
MMS0570X5DB	★	5		28.5	43.0	43.0	90.0	89.0	1.0	6	1
MMS0580S-DIN	□	3	5.8	17.4	28.0	30.0	66.0	64.9	1.1	6	2
MMS0580S-DIN-C	●	3		17.4	28.0	30.0	66.0	64.9	1.1	6	1
MMS0580L-DIN	□	5		29.0	44.0	46.0	82.0	80.9	1.1	6	2
MMS0580L-DIN-C	●	5		29.0	44.0	46.0	82.0	80.9	1.1	6	1
MMS0580X3DB	★	3		17.4	31.0	31.0	82.1	81.0	1.1	6	1
MMS0580X5DB	★	5		29.0	43.0	43.0	90.1	89.0	1.1	6	1
MMS0590S-DIN	□	3	5.9	17.7	28.0	30.0	66.0	64.9	1.1	6	2
MMS0590S-DIN-C	□	3		17.7	28.0	30.0	66.0	64.9	1.1	6	1
MMS0590L-DIN	□	5		29.5	44.0	46.0	82.0	80.9	1.1	6	2
MMS0590L-DIN-C	□	5		29.5	44.0	46.0	82.0	80.9	1.1	6	1
MMS0590X3DB	★	3		17.7	31.0	31.0	82.1	81.0	1.1	6	1
MMS0590X5DB	★	5		29.5	43.0	43.0	90.1	89.0	1.1	6	1
MMS0600S-DIN-C	●	3	6.0	18.0	28.0	30.0	66.0	64.9	1.1	6	1
MMS0600L-DIN-C	●	5		30.0	44.0	46.0	82.0	80.9	1.1	6	1
MMS0600X3DB	★	3		18.0	31.0	31.0	82.1	81.0	1.1	6	1
MMS0600X5DB	★	5		30.0	43.0	43.0	90.1	89.0	1.1	6	1
MMS0605S-DIN	□	3	6.05	18.2	34.0	43.0	79.0	77.9	1.1	8	2
MMS0605S-DIN-C	●	3		18.2	34.0	43.0	79.0	77.9	1.1	8	1
MMS0605L-DIN	□	5		30.3	53.0	55.0	91.0	89.9	1.1	8	2
MMS0605L-DIN-C	●	5		30.3	53.0	55.0	91.0	89.9	1.1	8	1
MMS0610S-DIN	□	3	6.1	18.3	34.0	43.0	79.0	77.9	1.1	8	2
MMS0610S-DIN-C	●	3		18.3	34.0	43.0	79.0	77.9	1.1	8	1
MMS0610L-DIN	□	5		30.5	53.0	55.0	91.0	89.9	1.1	8	2
MMS0610L-DIN-C	●	5		30.5	53.0	55.0	91.0	89.9	1.1	8	1
MMS0610X3DB	★	3		18.3	34.0	36.0	87.1	86.0	1.1	8	1
MMS0610X5DB	★	5		30.5	47.0	49.0	96.1	95.0	1.1	8	1
MMS0620S-DIN	□	3	6.2	18.6	34.0	43.0	79.0	77.9	1.1	8	2
MMS0620S-DIN-C	●	3		18.6	34.0	43.0	79.0	77.9	1.1	8	1
MMS0620L-DIN	□	5		31.0	53.0	55.0	91.0	89.9	1.1	8	2
MMS0620L-DIN-C	●	5		31.0	53.0	55.0	91.0	89.9	1.1	8	1
MMS0620X3DB	★	3		18.6	34.0	36.0	87.1	86.0	1.1	8	1
MMS0620X5DB	★	5		31.0	47.0	49.0	96.1	95.0	1.1	8	1

MMS

Order number	DP7020	Hole depth	DC	Dimensions (mm)						Type		
				LU	LCF	LH	OAL	LF	PL		DCON	
MMS0630S-DIN	□	3	6.3	18.9	34.0	43.0	79.0	77.9	1.1	8	2	
MMS0630S-DIN-C	□	3		18.9	34.0	43.0	79.0	77.9	1.1	8	1	
MMS0630L-DIN	□	5		31.5	53.0	55.0	91.0	89.9	1.1	8	2	
MMS0630L-DIN-C	□	5		31.5	53.0	55.0	91.0	89.9	1.1	8	1	
MMS0630X3DB	★	3		18.9	34.0	36.0	87.1	86.0	1.1	8	1	
MMS0630X5DB	★	5		31.5	47.0	49.0	96.1	95.0	1.1	8	1	
MMS0640S-DIN	□	3	6.4	19.2	34.0	43.0	79.0	77.8	1.2	8	2	
MMS0640S-DIN-C	□	3		19.2	34.0	43.0	79.0	77.8	1.2	8	1	
MMS0640L-DIN	□	5		32.0	53.0	55.0	91.0	89.8	1.2	8	2	
MMS0640L-DIN-C	□	5		32.0	53.0	55.0	91.0	89.8	1.2	8	1	
MMS0640X3DB	★	3		19.2	34.0	36.0	87.2	86.0	1.2	8	1	
MMS0640X5DB	★	5		32.0	47.0	49.0	96.2	95.0	1.2	8	1	
MMS0650S-DIN	□	3	6.5	19.5	34.0	43.0	79.0	77.8	1.2	8	2	
MMS0650S-DIN-C	●	3		19.5	34.0	43.0	79.0	77.8	1.2	8	1	
MMS0650L-DIN	□	5		32.5	53.0	55.0	91.0	89.8	1.2	8	2	
MMS0650L-DIN-C	●	5		32.5	53.0	55.0	91.0	89.8	1.2	8	1	
MMS0650X3DB	★	3		19.5	34.0	36.0	87.2	86.0	1.2	8	1	
MMS0650X5DB	★	5		32.5	47.0	49.0	96.2	95.0	1.2	8	1	
MMS0660S-DIN	□	3	6.6	19.8	34.0	43.0	79.0	77.8	1.2	8	2	
MMS0660S-DIN-C	●	3		19.8	34.0	43.0	79.0	77.8	1.2	8	1	
MMS0660L-DIN	□	5		33.0	53.0	55.0	91.0	89.8	1.2	8	2	
MMS0660L-DIN-C	●	5		33.0	53.0	55.0	91.0	89.8	1.2	8	1	
MMS0660X3DB	★	3		19.8	36.0	38.0	91.2	90.0	1.2	8	1	
MMS0660X5DB	★	5		33.0	50.0	52.0	99.2	98.0	1.2	8	1	
MMS0670S-DIN	□	3	6.7	20.1	34.0	43.0	79.0	77.8	1.2	8	2	
MMS0670S-DIN-C	□	3		20.1	34.0	43.0	79.0	77.8	1.2	8	1	
MMS0670L-DIN	□	5		33.5	53.0	55.0	91.0	89.8	1.2	8	2	
MMS0670L-DIN-C	□	5		33.5	53.0	55.0	91.0	89.8	1.2	8	1	
MMS0670X3DB	★	3		20.1	36.0	38.0	91.2	90.0	1.2	8	1	
MMS0670X5DB	★	5		33.5	50.0	52.0	99.2	98.0	1.2	8	1	
MMS0680S-DIN-C	●	3	6.8	20.4	34.0	43.0	79.0	77.8	1.2	8	1	
MMS0680L-DIN-C	●	5		34.0	53.0	55.0	91.0	89.8	1.2	8	1	
MMS0680X3DB	★	3		20.4	36.0	38.0	91.2	90.0	1.2	8	1	
MMS0680X5DB	★	5		34.0	50.0	52.0	99.2	98.0	1.2	8	1	
MMS0690S-DIN	□	3		6.9	20.7	34.0	43.0	79.0	77.7	1.3	8	2
MMS0690S-DIN-C	●	3			20.7	34.0	43.0	79.0	77.7	1.3	8	1
MMS0690L-DIN	□	5	34.5		53.0	55.0	91.0	89.7	1.3	8	2	
MMS0690L-DIN-C	●	5	34.5		53.0	55.0	91.0	89.7	1.3	8	1	
MMS0690X3DB	★	3	20.7		36.0	38.0	91.3	90.0	1.3	8	1	
MMS0690X5DB	★	5	34.5		50.0	52.0	99.3	98.0	1.3	8	1	
MMS0700S-DIN-C	●	3	7.0	21.0	34.0	43.0	79.0	77.7	1.3	8	1	
MMS0700L-DIN-C	●	5		35.0	53.0	55.0	91.0	89.7	1.3	8	1	
MMS0700X3DB	★	3		21.0	36.0	38.0	91.3	90.0	1.3	8	1	
MMS0700X5DB	★	5		35.0	50.0	52.0	99.3	98.0	1.3	8	1	
MMS0710S-DIN	□	3	7.1	21.3	41.0	43.0	79.0	77.7	1.3	8	2	
MMS0710S-DIN-C	□	3		21.3	41.0	43.0	79.0	77.7	1.3	8	1	
MMS0710L-DIN	□	5		35.5	53.0	55.0	91.0	89.7	1.3	8	2	
MMS0710L-DIN-C	□	5		35.5	53.0	55.0	91.0	89.7	1.3	8	1	
MMS0710X3DB	★	3		21.3	39.0	40.0	91.3	90.0	1.3	8	1	
MMS0710X5DB	★	5		35.5	54.0	57.0	104.3	103.0	1.3	8	1	

MMS

Order number	DP7020	Hole depth	DC	Dimensions (mm)						Type	
				LU	LCF	LH	OAL	LF	PL		DCON
MMS0720S-DIN	□	3	7.2	21.6	41.0	43.0	79.0	77.7	1.3	8	2
MMS0720S-DIN-C	□	3		21.6	41.0	43.0	79.0	77.7	1.3	8	1
MMS0720L-DIN	□	5		36.0	53.0	55.0	91.0	89.7	1.3	8	2
MMS0720L-DIN-C	□	5		36.0	53.0	55.0	91.0	89.7	1.3	8	1
MMS0720X3DB	★	3		21.6	39.0	40.0	91.3	90.0	1.3	8	1
MMS0720X5DB	★	5		36.0	54.0	57.0	104.3	103.0	1.3	8	1
MMS0730S-DIN	□	3	7.3	21.9	41.0	43.0	79.0	77.7	1.3	8	2
MMS0730S-DIN-C	●	3		21.9	41.0	43.0	79.0	77.7	1.3	8	1
MMS0730L-DIN	□	5		36.5	53.0	55.0	91.0	89.7	1.3	8	2
MMS0730L-DIN-C	●	5		36.5	53.0	55.0	91.0	89.7	1.3	8	1
MMS0730X3DB	★	3		21.9	39.0	40.0	91.3	90.0	1.3	8	1
MMS0730X5DB	★	5		36.5	54.0	57.0	104.3	103.0	1.3	8	1
MMS0740S-DIN	□	3	7.4	22.2	41.0	43.0	79.0	77.7	1.3	8	2
MMS0740S-DIN-C	●	3		22.2	41.0	43.0	79.0	77.7	1.3	8	1
MMS0740L-DIN	□	5		37.0	53.0	55.0	91.0	89.7	1.3	8	2
MMS0740L-DIN-C	●	5		37.0	53.0	55.0	91.0	89.7	1.3	8	1
MMS0740X3DB	★	3		22.2	39.0	40.0	91.3	90.0	1.3	8	1
MMS0740X5DB	★	5		37.0	54.0	57.0	104.3	103.0	1.3	8	1
MMS0750S-DIN	□	3	7.5	22.5	41.0	43.0	79.0	77.6	1.4	8	2
MMS0750S-DIN-C	●	3		22.5	41.0	43.0	79.0	77.6	1.4	8	1
MMS0750L-DIN	□	5		37.5	53.0	55.0	91.0	89.6	1.4	8	2
MMS0750L-DIN-C	●	5		37.5	53.0	55.0	91.0	89.6	1.4	8	1
MMS0750X3DB	★	3		22.5	39.0	40.0	91.4	90.0	1.4	8	1
MMS0750X5DB	★	5		37.5	54.0	57.0	104.4	103.0	1.4	8	1
MMS0760S-DIN	□	3	7.6	22.8	41.0	43.0	79.0	77.6	1.4	8	2
MMS0760S-DIN-C	□	3		22.8	41.0	43.0	79.0	77.6	1.4	8	1
MMS0760L-DIN	□	5		38.0	53.0	55.0	91.0	89.6	1.4	8	2
MMS0760L-DIN-C	□	5		38.0	53.0	55.0	91.0	89.6	1.4	8	1
MMS0760X3DB	★	3		22.8	41.0	41.0	91.4	90.0	1.4	8	1
MMS0760X5DB	★	5		38.0	57.0	57.0	104.4	103.0	1.4	8	1
MMS0770S-DIN	□	3	7.7	23.1	41.0	43.0	79.0	77.6	1.4	8	2
MMS0770S-DIN-C	□	3		23.1	41.0	43.0	79.0	77.6	1.4	8	1
MMS0770L-DIN	□	5		38.5	53.0	55.0	91.0	89.6	1.4	8	2
MMS0770L-DIN-C	□	5		38.5	53.0	55.0	91.0	89.6	1.4	8	1
MMS0770X3DB	★	3		23.1	41.0	41.0	91.4	90.0	1.4	8	1
MMS0770X5DB	★	5		38.5	57.0	57.0	104.4	103.0	1.4	8	1
MMS0780S-DIN	□	3	7.8	23.4	41.0	43.0	79.0	77.6	1.4	8	2
MMS0780S-DIN-C	●	3		23.4	41.0	43.0	79.0	77.6	1.4	8	1
MMS0780L-DIN	□	5		39.0	53.0	55.0	91.0	89.6	1.4	8	2
MMS0780L-DIN-C	●	5		39.0	53.0	55.0	91.0	89.6	1.4	8	1
MMS0780X3DB	★	3		23.4	41.0	41.0	91.4	90.0	1.4	8	1
MMS0780X5DB	★	5		39.0	57.0	57.0	104.4	103.0	1.4	8	1
MMS0790S-DIN	□	3	7.9	23.7	41.0	43.0	79.0	77.6	1.4	8	2
MMS0790S-DIN-C	□	3		23.7	41.0	43.0	79.0	77.6	1.4	8	1
MMS0790L-DIN	□	5		39.5	53.0	55.0	91.0	89.6	1.4	8	2
MMS0790L-DIN-C	□	5		39.5	53.0	55.0	91.0	89.6	1.4	8	1
MMS0790X3DB	★	3		23.7	41.0	41.0	91.4	90.0	1.4	8	1
MMS0790X5DB	★	5		39.5	57.0	57.0	104.4	103.0	1.4	8	1
MMS0800S-DIN-C	●	3	8.0	24.0	41.0	43.0	79.0	77.5	1.5	8	1
MMS0800L-DIN-C	●	5		40.0	53.0	55.0	91.0	89.5	1.5	8	1
MMS0800X3DB	★	3		24.0	41.0	41.0	91.5	90.0	1.5	8	1
MMS0800X5DB	★	5		40.0	57.0	57.0	104.5	103.0	1.5	8	1

MMS

Order number	DP7020	Hole depth	DC	Dimensions (mm)							Type
				LU	LCF	LH	OAL	LF	PL	DCON	
MMS0805S-DIN	□	3	8.05	24.2	46.0	48.0	88.0	86.5	1.5	10	2
MMS0805S-DIN-C	●	3		24.2	46.0	48.0	88.0	86.5	1.5	10	1
MMS0805L-DIN	□	5		40.3	60.0	62.0	102.0	100.5	1.5	10	2
MMS0805L-DIN-C	●	5		40.3	60.0	62.0	102.0	100.5	1.5	10	1
MMS0810S-DIN	□	3	8.1	24.3	46.0	48.0	88.0	86.5	1.5	10	2
MMS0810S-DIN-C	□	3		24.3	46.0	48.0	88.0	86.5	1.5	10	1
MMS0810L-DIN	□	5		40.5	60.0	62.0	102.0	100.5	1.5	10	2
MMS0810L-DIN-C	□	5		40.5	60.0	62.0	102.0	100.5	1.5	10	1
MMS0810X3DB	★	3		24.3	44.0	46.0	97.5	96.0	1.5	10	1
MMS0810X5DB	★	5		40.5	61.0	63.0	114.5	113.0	1.5	10	1
MMS0820S-DIN	□	3	8.2	24.6	46.0	48.0	88.0	86.5	1.5	10	2
MMS0820S-DIN-C	□	3		24.6	46.0	48.0	88.0	86.5	1.5	10	1
MMS0820L-DIN	□	5		41.0	60.0	62.0	102.0	100.5	1.5	10	2
MMS0820L-DIN-C	□	5		41.0	60.0	62.0	102.0	100.5	1.5	10	1
MMS0820X3DB	★	3		24.6	44.0	46.0	97.5	96.0	1.5	10	1
MMS0820X5DB	★	5		41.0	61.0	63.0	114.5	113.0	1.5	10	1
MMS0830S-DIN	□	3	8.3	24.9	46.0	48.0	88.0	86.5	1.5	10	2
MMS0830S-DIN-C	●	3		24.9	46.0	48.0	88.0	86.5	1.5	10	1
MMS0830L-DIN	□	5		41.5	60.0	62.0	102.0	100.5	1.5	10	2
MMS0830L-DIN-C	●	5		41.5	60.0	62.0	102.0	100.5	1.5	10	1
MMS0830X3DB	★	3		24.9	44.0	46.0	97.5	96.0	1.5	10	1
MMS0830X5DB	★	5		41.5	61.0	63.0	114.5	113.0	1.5	10	1
MMS0840S-DIN	□	3	8.4	25.2	46.0	48.0	88.0	86.5	1.5	10	2
MMS0840S-DIN-C	□	3		25.2	46.0	48.0	88.0	86.5	1.5	10	1
MMS0840L-DIN	□	5		42.0	60.0	62.0	102.0	100.5	1.5	10	2
MMS0840L-DIN-C	□	5		42.0	60.0	62.0	102.0	100.5	1.5	10	1
MMS0840X3DB	★	3		25.2	44.0	46.0	97.5	96.0	1.5	10	1
MMS0840X5DB	★	5		42.0	61.0	63.0	114.5	113.0	1.5	10	1
MMS0850S-DIN-C	●	3	8.5	25.5	46.0	48.0	88.0	86.5	1.5	10	1
MMS0850L-DIN-C	●	5		42.5	60.0	62.0	102.0	100.5	1.5	10	1
MMS0850X3DB	★	3		25.5	44.0	46.0	97.5	96.0	1.5	10	1
MMS0850X5DB	★	5		42.5	61.0	63.0	114.5	113.0	1.5	10	1
MMS0860S-DIN	□	3	8.6	25.8	46.0	48.0	88.0	86.4	1.6	10	2
MMS0860S-DIN-C	●	3		25.8	46.0	48.0	88.0	86.4	1.6	10	1
MMS0860L-DIN	□	5		43.0	60.0	62.0	102.0	100.4	1.6	10	2
MMS0860L-DIN-C	●	5		43.0	60.0	62.0	102.0	100.4	1.6	10	1
MMS0860X3DB	★	3		25.8	47.0	49.0	102.6	101.0	1.6	10	1
MMS0860X5DB	★	5		43.0	65.0	67.0	117.6	116.0	1.6	10	1
MMS0870S-DIN	□	3	8.7	26.1	46.0	48.0	88.0	86.4	1.6	10	2
MMS0870S-DIN-C	●	3		26.1	46.0	48.0	88.0	86.4	1.6	10	1
MMS0870L-DIN	□	5		43.5	60.0	62.0	102.0	100.4	1.6	10	2
MMS0870L-DIN-C	●	5		43.5	60.0	62.0	102.0	100.4	1.6	10	1
MMS0870X3DB	★	3		26.1	47.0	49.0	102.6	101.0	1.6	10	1
MMS0870X5DB	★	5		43.5	65.0	67.0	117.6	116.0	1.6	10	1
MMS0880S-DIN	□	3	8.8	26.4	46.0	48.0	88.0	86.4	1.6	10	2
MMS0880S-DIN-C	●	3		26.4	46.0	48.0	88.0	86.4	1.6	10	1
MMS0880L-DIN	□	5		44.0	60.0	62.0	102.0	100.4	1.6	10	2
MMS0880L-DIN-C	●	5		44.0	60.0	62.0	102.0	100.4	1.6	10	1
MMS0880X3DB	★	3		26.4	47.0	49.0	102.6	101.0	1.6	10	1
MMS0880X5DB	★	5		44.0	65.0	67.0	117.6	116.0	1.6	10	1

MMS

Order number	DP7020	Hole depth	DC	Dimensions (mm)							Type
				LU	LCF	LH	OAL	LF	PL	DCON	
MMS0890S-DIN	□	3	8.9	26.7	46.0	48.0	88.0	86.4	1.6	10	2
MMS0890S-DIN-C	□	3		26.7	46.0	48.0	88.0	86.4	1.6	10	1
MMS0890L-DIN	□	5		44.5	60.0	62.0	102.0	100.4	1.6	10	2
MMS0890L-DIN-C	□	5		44.5	60.0	62.0	102.0	100.4	1.6	10	1
MMS0890X3DB	★	3		26.7	47.0	49.0	102.6	101.0	1.6	10	1
MMS0890X5DB	★	5		44.5	65.0	67.0	117.6	116.0	1.6	10	1
MMS0900S-DIN	□	3	9.0	27.0	46.0	48.0	88.0	86.4	1.6	10	2
MMS0900S-DIN-C	●	3		27.0	46.0	48.0	88.0	86.4	1.6	10	1
MMS0900L-DIN	□	5		45.0	60.0	62.0	102.0	100.4	1.6	10	2
MMS0900L-DIN-C	●	5		45.0	60.0	62.0	102.0	100.4	1.6	10	1
MMS0900X3DB	★	3		27.0	47.0	49.0	102.6	101.0	1.6	10	1
MMS0900X5DB	★	5		45.0	65.0	67.0	117.6	116.0	1.6	10	1
MMS0910S-DIN	□	3	9.1	27.3	47.0	49.0	89.0	87.3	1.7	10	2
MMS0910S-DIN-C	□	3		27.3	47.0	49.0	89.0	87.3	1.7	10	1
MMS0910L-DIN	□	5		45.5	62.0	63.0	103.0	101.3	1.7	10	2
MMS0910L-DIN-C	□	5		45.5	62.0	63.0	103.0	101.3	1.7	10	1
MMS0910X3DB	★	3		27.3	50.0	52.0	102.7	101.0	1.7	10	1
MMS0910X5DB	★	5		45.5	69.0	72.0	122.7	121.0	1.7	10	1
MMS0920S-DIN	□	3	9.2	27.6	47.0	49.0	89.0	87.3	1.7	10	2
MMS0920S-DIN-C	□	3		27.6	47.0	49.0	89.0	87.3	1.7	10	1
MMS0920L-DIN	□	5		46.0	62.0	63.0	103.0	101.3	1.7	10	2
MMS0920L-DIN-C	□	5		46.0	62.0	63.0	103.0	101.3	1.7	10	1
MMS0920X3DB	★	3		27.6	50.0	52.0	102.7	101.0	1.7	10	1
MMS0920X5DB	★	5		46.0	69.0	72.0	122.7	121.0	1.7	10	1
MMS0930S-DIN	□	3	9.3	27.9	47.0	49.0	89.0	87.3	1.7	10	2
MMS0930S-DIN-C	●	3		27.9	47.0	49.0	89.0	87.3	1.7	10	1
MMS0930L-DIN	□	5		46.5	62.0	63.0	103.0	101.3	1.7	10	2
MMS0930L-DIN-C	●	5		46.5	62.0	63.0	103.0	101.3	1.7	10	1
MMS0930X3DB	★	3		27.9	50.0	52.0	102.7	101.0	1.7	10	1
MMS0930X5DB	★	5		46.5	69.0	72.0	122.7	121.0	1.7	10	1
MMS0940S-DIN	□	3	9.4	28.2	47.0	49.0	89.0	87.3	1.7	10	2
MMS0940S-DIN-C	□	3		28.2	47.0	49.0	89.0	87.3	1.7	10	1
MMS0940L-DIN	□	5		47.0	62.0	63.0	103.0	101.3	1.7	10	2
MMS0940L-DIN-C	□	5		47.0	62.0	63.0	103.0	101.3	1.7	10	1
MMS0940X3DB	★	3		28.2	50.0	52.0	102.7	101.0	1.7	10	1
MMS0940X5DB	★	5		47.0	69.0	72.0	122.7	121.0	1.7	10	1
MMS0950S-DIN	□	3	9.5	28.5	47.0	49.0	89.0	87.3	1.7	10	2
MMS0950S-DIN-C	●	3		28.5	47.0	49.0	89.0	87.3	1.7	10	1
MMS0950L-DIN	□	5		47.5	62.0	63.0	103.0	101.3	1.7	10	2
MMS0950L-DIN-C	●	5		47.5	62.0	63.0	103.0	101.3	1.7	10	1
MMS0950X3DB	★	3		28.5	50.0	52.0	102.7	101.0	1.7	10	1
MMS0950X5DB	★	5		47.5	69.0	72.0	122.7	121.0	1.7	10	1
MMS0960S-DIN	□	3	9.6	28.8	47.0	49.0	89.0	87.3	1.7	10	2
MMS0960S-DIN-C	□	3		28.8	47.0	49.0	89.0	87.3	1.7	10	1
MMS0960L-DIN	□	5		48.0	62.0	63.0	103.0	101.3	1.7	10	2
MMS0960L-DIN-C	□	5		48.0	62.0	63.0	103.0	101.3	1.7	10	1
MMS0960X3DB	★	3		28.8	52.0	52.0	102.7	101.0	1.7	10	1
MMS0960X5DB	★	5		48.0	72.0	72.0	122.7	121.0	1.7	10	1

MMS

Order number	DP7020	Hole depth	DC	Dimensions (mm)						Type	
				LU	LCF	LH	OAL	LF	PL		DCON
MMS0970S-DIN	□	3	9.7	29.1	47.0	49.0	89.0	87.2	1.8	10	2
MMS0970S-DIN-C	□	3		29.1	47.0	49.0	89.0	87.2	1.8	10	1
MMS0970L-DIN	□	5		48.5	62.0	63.0	103.0	101.2	1.8	10	2
MMS0970L-DIN-C	□	5		48.5	62.0	63.0	103.0	101.2	1.8	10	1
MMS0970X3DB	★	3		29.1	52.0	52.0	102.8	101.0	1.8	10	1
MMS0970X5DB	★	5		48.5	72.0	72.0	122.8	121.0	1.8	10	1
MMS0980S-DIN	□	3	9.8	29.4	47.0	49.0	89.0	87.2	1.8	10	2
MMS0980S-DIN-C	●	3		29.4	47.0	49.0	89.0	87.2	1.8	10	1
MMS0980L-DIN	□	5		49.0	62.0	63.0	103.0	101.2	1.8	10	2
MMS0980L-DIN-C	●	5		49.0	62.0	63.0	103.0	101.2	1.8	10	1
MMS0980X3DB	★	3		29.4	52.0	52.0	102.8	101.0	1.8	10	1
MMS0980X5DB	★	5		49.0	72.0	72.0	122.8	121.0	1.8	10	1
MMS0990S-DIN	□	3	9.9	29.7	47.0	49.0	89.0	87.2	1.8	10	2
MMS0990S-DIN-C	□	3		29.7	47.0	49.0	89.0	87.2	1.8	10	1
MMS0990L-DIN	□	5		49.5	62.0	63.0	103.0	101.2	1.8	10	2
MMS0990L-DIN-C	□	5		49.5	62.0	63.0	103.0	101.2	1.8	10	1
MMS0990X3DB	★	3		29.7	52.0	52.0	102.8	101.0	1.8	10	1
MMS0990X5DB	★	5		49.5	72.0	72.0	122.8	121.0	1.8	10	1
MMS1000S-DIN-C	●	3	10.0	30.0	47.0	49.0	89.0	87.2	1.8	10	1
MMS1000L-DIN-C	●	5		50.0	62.0	63.0	103.0	101.2	1.8	10	1
MMS1000X3DB	★	3		30.0	52.0	52.0	102.8	101.0	1.8	10	1
MMS1000X5DB	★	5		50.0	72.0	72.0	122.8	121.0	1.8	10	1
MMS1005S-DIN	□	3	10.05	30.2	55.0	57.0	102.0	100.2	1.8	12	2
MMS1005S-DIN-C	●	3		30.2	55.0	57.0	102.0	100.2	1.8	12	1
MMS1005L-DIN	□	5		50.3	71.0	73.0	118.0	116.2	1.8	12	2
MMS1005L-DIN-C	●	5		50.3	71.0	73.0	118.0	116.2	1.8	12	1
MMS1010S-DIN	□	3	10.1	30.3	55.0	57.0	102.0	100.2	1.8	12	2
MMS1010S-DIN-C	□	3		30.3	55.0	57.0	102.0	100.2	1.8	12	1
MMS1010L-DIN	□	5		50.5	71.0	73.0	118.0	116.2	1.8	12	2
MMS1010L-DIN-C	□	5		50.5	71.0	73.0	118.0	116.2	1.8	12	1
MMS1010X3DB	★	3		30.3	55.0	57.0	112.8	111.0	1.8	12	1
MMS1010X5DB	★	5		50.5	76.0	80.0	135.8	134.0	1.8	12	1
MMS1020S-DIN	□	3	10.2	30.6	55.0	57.0	102.0	100.1	1.9	12	2
MMS1020S-DIN-C	●	3		30.6	55.0	57.0	102.0	100.1	1.9	12	1
MMS1020L-DIN	□	5		51.0	71.0	73.0	118.0	116.1	1.9	12	2
MMS1020L-DIN-C	●	5		51.0	71.0	73.0	118.0	116.1	1.9	12	1
MMS1020X3DB	★	3		30.6	55.0	57.0	112.9	111.0	1.9	12	1
MMS1020X5DB	★	5		51.0	76.0	80.0	135.9	134.0	1.9	12	1
MMS1030S-DIN	□	3	10.3	30.9	55.0	57.0	102.0	100.1	1.9	12	2
MMS1030S-DIN-C	●	3		30.9	55.0	57.0	102.0	100.1	1.9	12	1
MMS1030L-DIN	□	5		51.5	71.0	73.0	118.0	116.1	1.9	12	2
MMS1030L-DIN-C	●	5		51.5	71.0	73.0	118.0	116.1	1.9	12	1
MMS1030X3DB	★	3		30.9	55.0	57.0	112.9	111.0	1.9	12	1
MMS1030X5DB	★	5		51.5	76.0	80.0	135.9	134.0	1.9	12	1
MMS1040S-DIN	□	3	10.4	31.2	55.0	57.0	102.0	100.1	1.9	12	2
MMS1040S-DIN-C	●	3		31.2	55.0	57.0	102.0	100.1	1.9	12	1
MMS1040L-DIN	□	5		52.0	71.0	73.0	118.0	116.1	1.9	12	2
MMS1040L-DIN-C	●	5		52.0	71.0	73.0	118.0	116.1	1.9	12	1
MMS1040X3DB	★	3		31.2	55.0	57.0	112.9	111.0	1.9	12	1
MMS1040X5DB	★	5		52.0	76.0	80.0	135.9	134.0	1.9	12	1

MMS

Order number	DP7020	Hole depth	DC	Dimensions (mm)						Type	
				LU	LCF	LH	OAL	LF	PL		DCON
MMS1050S-DIN	□	3	10.5	31.5	55.0	57.0	102.0	100.1	1.9	12	2
MMS1050S-DIN-C	●	3		31.5	55.0	57.0	102.0	100.1	1.9	12	1
MMS1050L-DIN	□	5		52.5	71.0	73.0	118.0	116.1	1.9	12	2
MMS1050L-DIN-C	●	5		52.5	71.0	73.0	118.0	116.1	1.9	12	1
MMS1050X3DB	★	3		31.5	55.0	57.0	112.9	111.0	1.9	12	1
MMS1050X5DB	★	5		52.5	76.0	80.0	135.9	134.0	1.9	12	1
MMS1060S-DIN	□	3	10.6	31.8	55.0	57.0	102.0	100.1	1.9	12	2
MMS1060S-DIN-C	□	3		31.8	55.0	57.0	102.0	100.1	1.9	12	1
MMS1060L-DIN	□	5		53.0	71.0	73.0	118.0	116.1	1.9	12	2
MMS1060L-DIN-C	□	5		53.0	71.0	73.0	118.0	116.1	1.9	12	1
MMS1060X3DB	★	3		31.8	57.0	58.0	117.9	116.0	1.9	12	1
MMS1060X5DB	★	5		53.0	79.0	80.0	135.9	134.0	1.9	12	1
MMS1070S-DIN	□	3	10.7	32.1	55.0	57.0	102.0	100.1	1.9	12	2
MMS1070S-DIN-C	●	3		32.1	55.0	57.0	102.0	100.1	1.9	12	1
MMS1070L-DIN	□	5		53.5	71.0	73.0	118.0	116.1	1.9	12	2
MMS1070L-DIN-C	●	5		53.5	71.0	73.0	118.0	116.1	1.9	12	1
MMS1070X3DB	★	3		32.1	57.0	58.0	117.9	116.0	1.9	12	1
MMS1070X5DB	★	5		53.5	79.0	80.0	135.9	134.0	1.9	12	1
MMS1080S-DIN	□	3	10.8	32.4	55.0	57.0	102.0	100.0	2.0	12	2
MMS1080S-DIN-C	●	3		32.4	55.0	57.0	102.0	100.0	2.0	12	1
MMS1080L-DIN	□	5		54.0	71.0	73.0	118.0	116.0	2.0	12	2
MMS1080L-DIN-C	●	5		54.0	71.0	73.0	118.0	116.0	2.0	12	1
MMS1080X3DB	★	3		32.4	57.0	58.0	118.0	116.0	2.0	12	1
MMS1080X5DB	★	5		54.0	79.0	80.0	136.0	134.0	2.0	12	1
MMS1090S-DIN	□	3	10.9	32.7	55.0	57.0	102.0	100.0	2.0	12	2
MMS1090S-DIN-C	□	3		32.7	55.0	57.0	102.0	100.0	2.0	12	1
MMS1090L-DIN	□	5		54.5	71.0	73.0	118.0	116.0	2.0	12	2
MMS1090L-DIN-C	□	5		54.5	71.0	73.0	118.0	116.0	2.0	12	1
MMS1090X3DB	★	3		32.7	57.0	58.0	118.0	116.0	2.0	12	1
MMS1090X5DB	★	5		54.5	79.0	80.0	136.0	134.0	2.0	12	1
MMS1100S-DIN	□	3	11.0	33.0	55.0	57.0	102.0	100.0	2.0	12	2
MMS1100S-DIN-C	●	3		33.0	55.0	57.0	102.0	100.0	2.0	12	1
MMS1100L-DIN	□	5		55.0	71.0	73.0	118.0	116.0	2.0	12	2
MMS1100L-DIN-C	●	5		55.0	71.0	73.0	118.0	116.0	2.0	12	1
MMS1100X3DB	★	3		33.0	57.0	58.0	118.0	116.0	2.0	12	1
MMS1100X5DB	★	5		55.0	79.0	80.0	136.0	134.0	2.0	12	1
MMS1110S-DIN	□	3	11.1	33.3	55.0	57.0	102.0	100.0	2.0	12	2
MMS1110S-DIN-C	□	3		33.3	55.0	57.0	102.0	100.0	2.0	12	1
MMS1110L-DIN	□	5		55.5	71.0	73.0	118.0	116.0	2.0	12	2
MMS1110L-DIN-C	□	5		55.5	71.0	73.0	118.0	116.0	2.0	12	1
MMS1110X3DB	★	3		33.3	60.0	62.0	118.0	116.0	2.0	12	1
MMS1110X5DB	★	5		55.5	83.0	86.0	142.0	140.0	2.0	12	1
MMS1120S-DIN	□	3	11.2	33.6	55.0	57.0	102.0	100.0	2.0	12	2
MMS1120S-DIN-C	●	3		33.6	55.0	57.0	102.0	100.0	2.0	12	1
MMS1120L-DIN	□	5		56.0	71.0	73.0	118.0	116.0	2.0	12	2
MMS1120L-DIN-C	●	5		56.0	71.0	73.0	118.0	116.0	2.0	12	1
MMS1120X3DB	★	3		33.6	60.0	62.0	118.0	116.0	2.0	12	1
MMS1120X5DB	★	5		56.0	83.0	86.0	142.0	140.0	2.0	12	1

MMS

Order number	DP7020	Hole depth	DC	Dimensions (mm)						Type	
				LU	LCF	LH	OAL	LF	PL		DCON
MMS1130S-DIN	□	3	11.3	33.9	55.0	57.0	102.0	99.9	2.1	12	2
MMS1130S-DIN-C	□	3		33.9	55.0	57.0	102.0	99.9	2.1	12	1
MMS1130L-DIN	□	5		56.5	71.0	73.0	118.0	115.9	2.1	12	2
MMS1130L-DIN-C	□	5		56.5	71.0	73.0	118.0	115.9	2.1	12	1
MMS1130X3DB	★	3		33.9	60.0	62.0	118.1	116.0	2.1	12	1
MMS1130X5DB	★	5		56.5	83.0	86.0	142.1	140.0	2.1	12	1
MMS1140S-DIN	□	3	11.4	34.2	55.0	57.0	102.0	99.9	2.1	12	2
MMS1140S-DIN-C	●	3		34.2	55.0	57.0	102.0	99.9	2.1	12	1
MMS1140L-DIN	□	5		57.0	71.0	73.0	118.0	115.9	2.1	12	2
MMS1140L-DIN-C	●	5		57.0	71.0	73.0	118.0	115.9	2.1	12	1
MMS1140X3DB	★	3		34.2	60.0	62.0	118.1	116.0	2.1	12	1
MMS1140X5DB	★	5		57.0	83.0	86.0	142.1	140.0	2.1	12	1
MMS1150S-DIN	□	3	11.5	34.5	55.0	57.0	102.0	99.9	2.1	12	2
MMS1150S-DIN-C	●	3		34.5	55.0	57.0	102.0	99.9	2.1	12	1
MMS1150L-DIN	□	5		57.5	71.0	73.0	118.0	115.9	2.1	12	2
MMS1150L-DIN-C	●	5		57.5	71.0	73.0	118.0	115.9	2.1	12	1
MMS1150X3DB	★	3		34.5	60.0	62.0	118.1	116.0	2.1	12	1
MMS1150X5DB	★	5		57.5	83.0	86.0	142.1	140.0	2.1	12	1
MMS1160S-DIN	□	3	11.6	34.8	55.0	57.0	102.0	99.9	2.1	12	2
MMS1160S-DIN-C	□	3		34.8	55.0	57.0	102.0	99.9	2.1	12	1
MMS1160L-DIN	□	5		58.0	71.0	73.0	118.0	115.9	2.1	12	2
MMS1160L-DIN-C	□	5		58.0	71.0	73.0	118.0	115.9	2.1	12	1
MMS1160X3DB	★	3		34.8	62.0	62.0	118.1	116.0	2.1	12	1
MMS1160X5DB	★	5		58.0	86.0	86.0	142.1	140.0	2.1	12	1
MMS1170S-DIN	□	3	11.7	35.1	55.0	57.0	102.0	99.9	2.1	12	2
MMS1170S-DIN-C	●	3		35.1	55.0	57.0	102.0	99.9	2.1	12	1
MMS1170L-DIN	□	5		58.5	71.0	73.0	118.0	115.9	2.1	12	2
MMS1170L-DIN-C	●	5		58.5	71.0	73.0	118.0	115.9	2.1	12	1
MMS1170X3DB	★	3		35.1	62.0	62.0	118.1	116.0	2.1	12	1
MMS1170X5DB	★	5		58.5	86.0	86.0	142.1	140.0	2.1	12	1
MMS1180S-DIN	□	3	11.8	35.4	55.0	57.0	102.0	99.9	2.1	12	2
MMS1180S-DIN-C	●	3		35.4	55.0	57.0	102.0	99.9	2.1	12	1
MMS1180L-DIN	□	5		59.0	71.0	73.0	118.0	115.9	2.1	12	2
MMS1180L-DIN-C	●	5		59.0	71.0	73.0	118.0	115.9	2.1	12	1
MMS1180X3DB	★	3		35.4	62.0	62.0	118.1	116.0	2.1	12	1
MMS1180X5DB	★	5		59.0	86.0	86.0	142.1	140.0	2.1	12	1
MMS1190S-DIN	□	3	11.9	35.7	55.0	57.0	102.0	99.8	2.2	12	2
MMS1190S-DIN-C	□	3		35.7	55.0	57.0	102.0	99.8	2.2	12	1
MMS1190L-DIN	□	5		59.5	71.0	73.0	118.0	115.8	2.2	12	2
MMS1190L-DIN-C	□	5		59.5	71.0	73.0	118.0	115.8	2.2	12	1
MMS1190X3DB	★	3		35.7	62.0	62.0	118.2	116.0	2.2	12	1
MMS1190X5DB	★	5		59.5	86.0	86.0	142.2	140.0	2.2	12	1
MMS1200S-DIN-C	●	3	12.0	36.0	55.0	57.0	102.0	99.8	2.2	12	1
MMS1200L-DIN-C	●	5		60.0	71.0	73.0	118.0	115.8	2.2	12	1
MMS1200X3DB	★	3		36.0	62.0	62.0	118.2	116.0	2.2	12	1
MMS1200X5DB	★	5		60.0	86.0	86.0	142.2	140.0	2.2	12	1
MMS1205S-DIN	□	3	12.05	36.2	60.0	62.0	107.0	104.8	2.2	14	2
MMS1205S-DIN-C	●	3		36.2	60.0	62.0	107.0	104.8	2.2	14	1
MMS1205L-DIN	□	5		60.3	77.0	79.0	124.0	121.8	2.2	14	2
MMS1205L-DIN-C	●	5		60.3	77.0	79.0	124.0	121.8	2.2	14	1

MMS

Order number	DP7020	Hole depth	DC	Dimensions (mm)						Type	
				LU	LCF	LH	OAL	LF	PL		DCON
MMS1210S-DIN	□	3	12.1	36.3	60.0	62.0	107.0	104.8	2.2	14	2
MMS1210S-DIN-C	□	3		36.3	60.0	62.0	107.0	104.8	2.2	14	1
MMS1210L-DIN	□	5		60.5	77.0	79.0	124.0	121.8	2.2	14	2
MMS1210L-DIN-C	□	5		60.5	77.0	79.0	124.0	121.8	2.2	14	1
MMS1210X3DB	★	3		36.3	65.0	68.0	124.2	122.0	2.2	14	1
MMS1210X5DB	★	5		60.5	90.0	94.0	150.2	148.0	2.2	14	1
MMS1220S-DIN	□	3	12.2	36.6	60.0	62.0	107.0	104.8	2.2	14	2
MMS1220S-DIN-C	□	3		36.6	60.0	62.0	107.0	104.8	2.2	14	1
MMS1220L-DIN	□	5		61.0	77.0	79.0	124.0	121.8	2.2	14	2
MMS1220L-DIN-C	□	5		61.0	77.0	79.0	124.0	121.8	2.2	14	1
MMS1220X3DB	★	3		36.6	65.0	68.0	124.2	122.0	2.2	14	1
MMS1220X5DB	★	5		61.0	90.0	94.0	150.2	148.0	2.2	14	1
MMS1230S-DIN	□	3	12.3	36.9	60.0	62.0	107.0	104.8	2.2	14	2
MMS1230S-DIN-C	□	3		36.9	60.0	62.0	107.0	104.8	2.2	14	1
MMS1230L-DIN	□	5		61.5	77.0	79.0	124.0	121.8	2.2	14	2
MMS1230L-DIN-C	□	5		61.5	77.0	79.0	124.0	121.8	2.2	14	1
MMS1230X3DB	★	3		36.9	65.0	68.0	124.2	122.0	2.2	14	1
MMS1230X5DB	★	5		61.5	90.0	94.0	150.2	148.0	2.2	14	1
MMS1240S-DIN	□	3	12.4	37.2	60.0	62.0	107.0	104.7	2.3	14	2
MMS1240S-DIN-C	□	3		37.2	60.0	62.0	107.0	104.7	2.3	14	1
MMS1240L-DIN	□	5		62.0	77.0	79.0	124.0	121.7	2.3	14	2
MMS1240L-DIN-C	□	5		62.0	77.0	79.0	124.0	121.7	2.3	14	1
MMS1240X3DB	★	3		37.2	65.0	68.0	124.3	122.0	2.3	14	1
MMS1240X5DB	★	5		62.0	90.0	94.0	150.3	148.0	2.3	14	1
MMS1250S-DIN	□	3	12.5	37.5	60.0	62.0	107.0	104.7	2.3	14	2
MMS1250S-DIN-C	●	3		37.5	60.0	62.0	107.0	104.7	2.3	14	1
MMS1250L-DIN	□	5		62.5	77.0	79.0	124.0	121.7	2.3	14	2
MMS1250L-DIN-C	●	5		62.5	77.0	79.0	124.0	121.7	2.3	14	1
MMS1250X3DB	★	3		37.5	65.0	68.0	124.3	122.0	2.3	14	1
MMS1250X5DB	★	5		62.5	90.0	94.0	150.3	148.0	2.3	14	1
MMS1260S-DIN	□	3	12.6	37.8	60.0	62.0	107.0	104.7	2.3	14	2
MMS1260S-DIN-C	●	3		37.8	60.0	62.0	107.0	104.7	2.3	14	1
MMS1260L-DIN	□	5		63.0	77.0	79.0	124.0	121.7	2.3	14	2
MMS1260L-DIN-C	●	5		63.0	77.0	79.0	124.0	121.7	2.3	14	1
MMS1260X3DB	★	3		37.8	67.0	68.0	124.3	122.0	2.3	14	1
MMS1260X5DB	★	5		63.0	93.0	94.0	150.3	148.0	2.3	14	1
MMS1270S-DIN	□	3	12.7	38.1	60.0	62.0	107.0	104.7	2.3	14	2
MMS1270S-DIN-C	●	3		38.1	60.0	62.0	107.0	104.7	2.3	14	1
MMS1270L-DIN	□	5		63.5	77.0	79.0	124.0	121.7	2.3	14	2
MMS1270L-DIN-C	●	5		63.5	77.0	79.0	124.0	121.7	2.3	14	1
MMS1270X3DB	★	3		38.1	67.0	68.0	124.3	122.0	2.3	14	1
MMS1270X5DB	★	5		63.5	93.0	94.0	150.3	148.0	2.3	14	1
MMS1280S-DIN	□	3	12.8	38.4	60.0	62.0	107.0	104.7	2.3	14	2
MMS1280S-DIN-C	□	3		38.4	60.0	62.0	107.0	104.7	2.3	14	1
MMS1280L-DIN	□	5		64.0	77.0	79.0	124.0	121.7	2.3	14	2
MMS1280L-DIN-C	□	5		64.0	77.0	79.0	124.0	121.7	2.3	14	1
MMS1280X3DB	★	3		38.4	67.0	68.0	124.3	122.0	2.3	14	1
MMS1280X5DB	★	5		64.0	93.0	94.0	150.3	148.0	2.3	14	1

MMS

Order number	DP7020	Hole depth	DC	Dimensions (mm)						Type	
				LU	LCF	LH	OAL	LF	PL		DCON
MMS1290S-DIN	□	3	12.9	38.7	60.0	62.0	107.0	104.7	2.3	14	2
MMS1290S-DIN-C	□	3		38.7	60.0	62.0	107.0	104.7	2.3	14	1
MMS1290L-DIN	□	5		64.5	77.0	79.0	124.0	121.7	2.3	14	2
MMS1290L-DIN-C	□	5		64.5	77.0	79.0	124.0	121.7	2.3	14	1
MMS1290X3DB	★	3		38.7	67.0	68.0	124.3	122.0	2.3	14	1
MMS1290X5DB	★	5		64.5	93.0	94.0	150.3	148.0	2.3	14	1
MMS1300S-DIN	□	3	13.0	39.0	60.0	62.0	107.0	104.6	2.4	14	2
MMS1300S-DIN-C	●	3		39.0	60.0	62.0	107.0	104.6	2.4	14	1
MMS1300L-DIN	□	5		65.0	77.0	79.0	124.0	121.6	2.4	14	2
MMS1300L-DIN-C	●	5		65.0	77.0	79.0	124.0	121.6	2.4	14	1
MMS1300X3DB	★	3		39.0	67.0	68.0	124.4	122.0	2.4	14	1
MMS1300X5DB	★	5		65.0	93.0	94.0	150.4	148.0	2.4	14	1
MMS1310S-DIN	□	3	13.1	39.3	60.0	62.0	107.0	104.6	2.4	14	2
MMS1310S-DIN-C	□	3		39.3	60.0	62.0	107.0	104.6	2.4	14	1
MMS1310L-DIN	□	5		65.5	77.0	79.0	124.0	121.6	2.4	14	2
MMS1310L-DIN-C	□	5		65.5	77.0	79.0	124.0	121.6	2.4	14	1
MMS1310X3DB	★	3		39.3	70.0	72.0	128.4	126.0	2.4	14	1
MMS1310X5DB	★	5		65.5	97.0	100.0	156.4	154.0	2.4	14	1
MMS1320S-DIN	□	3	13.2	39.6	60.0	62.0	107.0	104.6	2.4	14	2
MMS1320S-DIN-C	□	3		39.6	60.0	62.0	107.0	104.6	2.4	14	1
MMS1320L-DIN	□	5		66.0	77.0	79.0	124.0	121.6	2.4	14	2
MMS1320L-DIN-C	□	5		66.0	77.0	79.0	124.0	121.6	2.4	14	1
MMS1320X3DB	★	3		39.6	70.0	72.0	128.4	126.0	2.4	14	1
MMS1320X5DB	★	5		66.0	97.0	100.0	156.4	154.0	2.4	14	1
MMS1330S-DIN	□	3	13.3	39.9	60.0	62.0	107.0	104.6	2.4	14	2
MMS1330S-DIN-C	□	3		39.9	60.0	62.0	107.0	104.6	2.4	14	1
MMS1330L-DIN	□	5		66.5	77.0	79.0	124.0	121.6	2.4	14	2
MMS1330L-DIN-C	□	5		66.5	77.0	79.0	124.0	121.6	2.4	14	1
MMS1330X3DB	★	3		39.9	70.0	72.0	128.4	126.0	2.4	14	1
MMS1330X5DB	★	5		66.5	97.0	100.0	156.4	154.0	2.4	14	1
MMS1340S-DIN	□	3	13.4	40.2	60.0	62.0	107.0	104.6	2.4	14	2
MMS1340S-DIN-C	□	3		40.2	60.0	62.0	107.0	104.6	2.4	14	1
MMS1340L-DIN	□	5		67.0	77.0	79.0	124.0	121.6	2.4	14	2
MMS1340L-DIN-C	□	5		67.0	77.0	79.0	124.0	121.6	2.4	14	1
MMS1340X3DB	★	3		40.2	70.0	72.0	128.4	126.0	2.4	14	1
MMS1340X5DB	★	5		67.0	97.0	100.0	156.4	154.0	2.4	14	1
MMS1350S-DIN	□	3	13.5	40.5	60.0	62.0	107.0	104.5	2.5	14	2
MMS1350S-DIN-C	●	3		40.5	60.0	62.0	107.0	104.5	2.5	14	1
MMS1350L-DIN	□	5		67.5	77.0	79.0	124.0	121.5	2.5	14	2
MMS1350L-DIN-C	●	5		67.5	77.0	79.0	124.0	121.5	2.5	14	1
MMS1350X3DB	★	3		40.5	70.0	72.0	128.5	126.0	2.5	14	1
MMS1350X5DB	★	5		67.5	97.0	100.0	156.5	154.0	2.5	14	1
MMS1360S-DIN	□	3	13.6	40.8	60.0	62.0	107.0	104.5	2.5	14	2
MMS1360S-DIN-C	□	3		40.8	60.0	62.0	107.0	104.5	2.5	14	1
MMS1360L-DIN	□	5		68.0	77.0	79.0	124.0	121.5	2.5	14	2
MMS1360L-DIN-C	□	5		68.0	77.0	79.0	124.0	121.5	2.5	14	1
MMS1360X3DB	★	3		40.8	72.0	72.0	128.5	126.0	2.5	14	1
MMS1360X5DB	★	5		68.0	100.0	100.0	156.5	154.0	2.5	14	1

MMS

Order number	DP7020	Hole depth	DC	Dimensions (mm)						Type	
				LU	LCF	LH	OAL	LF	PL		DCON
MMS1370S-DIN	□	3	13.7	41.1	60.0	62.0	107.0	104.5	2.5	14	2
MMS1370S-DIN-C	●	3		41.1	60.0	62.0	107.0	104.5	2.5	14	1
MMS1370L-DIN	□	5		68.5	77.0	79.0	124.0	121.5	2.5	14	2
MMS1370L-DIN-C	●	5		68.5	77.0	79.0	124.0	121.5	2.5	14	1
MMS1370X3DB	★	3		41.1	72.0	72.0	128.5	126.0	2.5	14	1
MMS1370X5DB	★	5		68.5	100.0	100.0	156.5	154.0	2.5	14	1
MMS1380S-DIN	□	3	13.8	41.4	60.0	62.0	107.0	104.5	2.5	14	2
MMS1380S-DIN-C	□	3		41.4	60.0	62.0	107.0	104.5	2.5	14	1
MMS1380L-DIN	□	5		69.0	77.0	79.0	124.0	121.5	2.5	14	2
MMS1380L-DIN-C	□	5		69.0	77.0	79.0	124.0	121.5	2.5	14	1
MMS1380X3DB	★	3		41.4	72.0	72.0	128.5	126.0	2.5	14	1
MMS1380X5DB	★	5		69.0	100.0	100.0	156.5	154.0	2.5	14	1
MMS1390S-DIN	□	3	13.9	41.7	60.0	62.0	107.0	104.5	2.5	14	2
MMS1390S-DIN-C	□	3		41.7	60.0	62.0	107.0	104.5	2.5	14	1
MMS1390L-DIN	□	5		69.5	77.0	79.0	124.0	121.5	2.5	14	2
MMS1390L-DIN-C	□	5		69.5	77.0	79.0	124.0	121.5	2.5	14	1
MMS1390X3DB	★	3		41.7	72.0	72.0	128.5	126.0	2.5	14	1
MMS1390X5DB	★	5		69.5	100.0	100.0	156.5	154.0	2.5	14	1
MMS1400S-DIN-C	●	3	14.0	42.0	60.0	62.0	107.0	104.5	2.5	14	1
MMS1400L-DIN-C	●	5		70.0	77.0	79.0	124.0	121.5	2.5	14	1
MMS1400X3DB	★	3		42.0	72.0	72.0	128.5	126.0	2.5	14	1
MMS1400X5DB	★	5		70.0	100.0	100.0	156.5	154.0	2.5	14	1
MMS1405S-DIN-C	□	3	14.05	42.2	64.0	66.0	114.0	111.4	2.6	16	1
MMS1405L-DIN-C	□	5		70.3	82.0	84.0	132.0	129.4	2.6	16	1
MMS1410S-DIN	□	3	14.1	42.3	64.0	66.0	114.0	111.4	2.6	16	2
MMS1410S-DIN-C	□	3		42.3	64.0	66.0	114.0	111.4	2.6	16	1
MMS1410L-DIN	□	5		70.5	82.0	84.0	132.0	129.4	2.6	16	2
MMS1410L-DIN-C	□	5		70.5	82.0	84.0	132.0	129.4	2.6	16	1
MMS1410X3DB	★	3		42.3	76.0	79.0	137.6	135.0	2.6	16	1
MMS1410X5DB	★	5		70.5	105.0	109.0	167.6	165.0	2.6	16	1
MMS1420S-DIN	□	3	14.2	42.6	64.0	66.0	114.0	111.4	2.6	16	2
MMS1420S-DIN-C	□	3		42.6	64.0	66.0	114.0	111.4	2.6	16	1
MMS1420L-DIN	□	5		71.0	82.0	84.0	132.0	129.4	2.6	16	2
MMS1420L-DIN-C	□	5		71.0	82.0	84.0	132.0	129.4	2.6	16	1
MMS1420X3DB	★	3		42.6	76.0	79.0	137.6	135.0	2.6	16	1
MMS1420X5DB	★	5		71.0	105.0	109.0	167.6	165.0	2.6	16	1
MMS1430S-DIN	□	3	14.3	42.9	64.0	66.0	114.0	111.4	2.6	16	2
MMS1430S-DIN-C	□	3		42.9	64.0	66.0	114.0	111.4	2.6	16	1
MMS1430L-DIN	□	5		71.5	82.0	84.0	132.0	129.4	2.6	16	2
MMS1430L-DIN-C	□	5		71.5	82.0	84.0	132.0	129.4	2.6	16	1
MMS1430X3DB	★	3		42.9	76.0	79.0	137.6	135.0	2.6	16	1
MMS1430X5DB	★	5		71.5	105.0	109.0	167.6	165.0	2.6	16	1
MMS1440S-DIN	□	3	14.4	43.2	64.0	66.0	114.0	111.4	2.6	16	2
MMS1440S-DIN-C	□	3		43.2	64.0	66.0	114.0	111.4	2.6	16	1
MMS1440L-DIN	□	5		72.0	82.0	84.0	132.0	129.4	2.6	16	2
MMS1440L-DIN-C	□	5		72.0	82.0	84.0	132.0	129.4	2.6	16	1
MMS1440X3DB	★	3		43.2	76.0	79.0	137.6	135.0	2.6	16	1
MMS1440X5DB	★	5		72.0	105.0	109.0	167.6	165.0	2.6	16	1
MMS1450S-DIN-C	□	3	14.5	43.5	64.0	66.0	114.0	111.4	2.6	16	1
MMS1450L-DIN-C	□	5		72.5	82.0	84.0	132.0	129.4	2.6	16	1
MMS1450X3DB	★	3		43.5	76.0	79.0	137.6	135.0	2.6	16	1
MMS1450X5DB	★	5		72.5	105.0	109.0	167.6	165.0	2.6	16	1

MMS

Order number	DP7020	Hole depth	DC	Dimensions (mm)						Type	
				LU	LCF	LH	OAL	LF	PL		DCON
MMS1460S-DIN	□	3	14.6	43.8	64.0	66.0	114.0	111.3	2.7	16	2
MMS1460S-DIN-C	□	3		43.8	64.0	66.0	114.0	111.3	2.7	16	1
MMS1460L-DIN	□	5		73.0	82.0	84.0	132.0	129.3	2.7	16	2
MMS1460L-DIN-C	□	5		73.0	82.0	84.0	132.0	129.3	2.7	16	1
MMS1460X3DB	★	3		43.8	78.0	79.0	137.7	135.0	2.7	16	1
MMS1460X5DB	★	5		73.0	108.0	109.0	167.7	165.0	2.7	16	1
MMS1470S-DIN	□	3	14.7	44.1	64.0	66.0	114.0	111.3	2.7	16	2
MMS1470S-DIN-C	□	3		44.1	64.0	66.0	114.0	111.3	2.7	16	1
MMS1470L-DIN	□	5		73.5	82.0	84.0	132.0	129.3	2.7	16	2
MMS1470L-DIN-C	□	5		73.5	82.0	84.0	132.0	129.3	2.7	16	1
MMS1470X3DB	★	3		44.1	78.0	79.0	137.7	135.0	2.7	16	1
MMS1470X5DB	★	5		73.5	108.0	109.0	167.7	165.0	2.7	16	1
MMS1480S-DIN	□	3	14.8	44.4	64.0	66.0	114.0	111.3	2.7	16	2
MMS1480S-DIN-C	□	3		44.4	64.0	66.0	114.0	111.3	2.7	16	1
MMS1480L-DIN	□	5		74.0	82.0	84.0	132.0	129.3	2.7	16	2
MMS1480L-DIN-C	□	5		74.0	82.0	84.0	132.0	129.3	2.7	16	1
MMS1480X3DB	★	3		44.4	78.0	79.0	137.7	135.0	2.7	16	1
MMS1480X5DB	★	5		74.0	108.0	109.0	167.7	165.0	2.7	16	1
MMS1490S-DIN	□	3	14.9	44.7	64.0	66.0	114.0	111.3	2.7	16	2
MMS1490S-DIN-C	□	3		44.7	64.0	66.0	114.0	111.3	2.7	16	1
MMS1490L-DIN	□	5		74.5	82.0	84.0	132.0	129.3	2.7	16	2
MMS1490L-DIN-C	□	5		74.5	82.0	84.0	132.0	129.3	2.7	16	1
MMS1490X3DB	★	3		44.7	78.0	79.0	137.7	135.0	2.7	16	1
MMS1490X5DB	★	5		74.5	108.0	109.0	167.7	165.0	2.7	16	1
MMS1500S-DIN-C	□	3	15.0	45.0	64.0	66.0	114.0	111.3	2.7	16	1
MMS1500L-DIN-C	□	5		75.0	82.0	84.0	132.0	129.3	2.7	16	1
MMS1500X3DB	★	3		45.0	78.0	79.0	137.7	135.0	2.7	16	1
MMS1500X5DB	★	5		75.0	108.0	109.0	167.7	165.0	2.7	16	1
MMS1510S-DIN	□	3	15.1	45.3	65.0	67.0	115.0	112.3	2.7	16	2
MMS1510S-DIN-C	□	3		45.3	65.0	67.0	115.0	112.3	2.7	16	1
MMS1510L-DIN	□	5		75.5	83.0	85.0	133.0	130.3	2.7	16	2
MMS1510L-DIN-C	□	5		75.5	83.0	85.0	133.0	130.3	2.7	16	1
MMS1510X3DB	★	3		45.3	81.0	83.0	141.7	139.0	2.7	16	1
MMS1510X5DB	★	5		75.5	112.0	115.0	173.7	171.0	2.7	16	1
MMS1520S-DIN	□	3	15.2	45.6	65.0	67.0	115.0	112.2	2.8	16	2
MMS1520S-DIN-C	□	3		45.6	65.0	67.0	115.0	112.2	2.8	16	1
MMS1520L-DIN	□	5		76.0	83.0	85.0	133.0	130.2	2.8	16	2
MMS1520L-DIN-C	□	5		76.0	83.0	85.0	133.0	130.2	2.8	16	1
MMS1520X3DB	★	3		45.6	81.0	83.0	141.8	139.0	2.8	16	1
MMS1520X5DB	★	5		76.0	112.0	115.0	173.8	171.0	2.8	16	1
MMS1530S-DIN	□	3	15.3	45.9	65.0	67.0	115.0	112.2	2.8	16	2
MMS1530S-DIN-C	□	3		45.9	65.0	67.0	115.0	112.2	2.8	16	1
MMS1530L-DIN	□	5		76.5	83.0	85.0	133.0	130.2	2.8	16	2
MMS1530L-DIN-C	□	5		76.5	83.0	85.0	133.0	130.2	2.8	16	1
MMS1530X3DB	★	3		45.9	81.0	83.0	141.8	139.0	2.8	16	1
MMS1530X5DB	★	5		76.5	112.0	115.0	173.8	171.0	2.8	16	1

MMS

Order number	DP7020	Hole depth	DC	Dimensions (mm)						Type	
				LU	LCF	LH	OAL	LF	PL		DCON
MMS1540S-DIN	□	3	15.4	46.2	65.0	67.0	115.0	112.2	2.8	16	2
MMS1540S-DIN-C	□	3		46.2	65.0	67.0	115.0	112.2	2.8	16	1
MMS1540L-DIN	□	5		77.0	83.0	85.0	133.0	130.2	2.8	16	2
MMS1540L-DIN-C	□	5		77.0	83.0	85.0	133.0	130.2	2.8	16	1
MMS1540X3DB	★	3		46.2	81.0	83.0	141.8	139.0	2.8	16	1
MMS1540X5DB	★	5		77.0	112.0	115.0	173.8	171.0	2.8	16	1
MMS1550S-DIN-C	□	3		46.5	65.0	67.0	115.0	112.2	2.8	16	1
MMS1550L-DIN-C	□	5		77.5	83.0	85.0	133.0	130.2	2.8	16	1
MMS1550X3DB	★	3		46.5	81.0	83.0	141.8	139.0	2.8	16	1
MMS1550X5DB	★	5		77.5	112.0	115.0	173.8	171.0	2.8	16	1
MMS1560S-DIN	□	3	15.6	46.8	65.0	67.0	115.0	112.2	2.8	16	2
MMS1560S-DIN-C	□	3		46.8	65.0	67.0	115.0	112.2	2.8	16	1
MMS1560L-DIN	□	5		78.0	83.0	85.0	133.0	130.2	2.8	16	2
MMS1560L-DIN-C	□	5		78.0	83.0	85.0	133.0	130.2	2.8	16	1
MMS1560X3DB	★	3		46.8	83.0	83.0	141.8	139.0	2.8	16	1
MMS1560X5DB	★	5		78.0	115.0	115.0	173.8	171.0	2.8	16	1
MMS1570S-DIN	□	3	15.7	47.1	65.0	67.0	115.0	112.1	2.9	16	2
MMS1570S-DIN-C	□	3		47.1	65.0	67.0	115.0	112.1	2.9	16	1
MMS1570L-DIN	□	5		78.5	83.0	85.0	133.0	130.1	2.9	16	2
MMS1570L-DIN-C	□	5		78.5	83.0	85.0	133.0	130.1	2.9	16	1
MMS1570X3DB	★	3		47.1	83.0	83.0	141.9	139.0	2.9	16	1
MMS1570X5DB	★	5		78.5	115.0	115.0	173.9	171.0	2.9	16	1
MMS1580S-DIN	□	3	15.8	47.4	65.0	67.0	115.0	112.1	2.9	16	2
MMS1580S-DIN-C	□	3		47.4	65.0	67.0	115.0	112.1	2.9	16	1
MMS1580L-DIN	□	5		79.0	83.0	85.0	133.0	130.1	2.9	16	2
MMS1580L-DIN-C	□	5		79.0	83.0	85.0	133.0	130.1	2.9	16	1
MMS1580X3DB	★	3		47.4	83.0	83.0	141.9	139.0	2.9	16	1
MMS1580X5DB	★	5		79.0	115.0	115.0	173.9	171.0	2.9	16	1
MMS1590S-DIN	□	3	15.9	47.7	65.0	67.0	115.0	112.1	2.9	16	2
MMS1590S-DIN-C	□	3		47.7	65.0	67.0	115.0	112.1	2.9	16	1
MMS1590L-DIN	□	5		79.5	83.0	85.0	133.0	130.1	2.9	16	2
MMS1590L-DIN-C	□	5		79.5	83.0	85.0	133.0	130.1	2.9	16	1
MMS1590X3DB	★	3		47.7	83.0	83.0	141.9	139.0	2.9	16	1
MMS1590X5DB	★	5		79.5	115.0	115.0	173.9	171.0	2.9	16	1
MMS1600S-DIN-C	□	3	16.0	48.0	65.0	67.0	115.0	112.1	2.9	16	1
MMS1600L-DIN-C	□	5		80.0	83.0	85.0	133.0	130.1	2.9	16	1
MMS1600X3DB	★	3		48.0	83.0	83.0	141.9	139.0	2.9	16	1
MMS1600X5DB	★	5		80.0	115.0	115.0	173.9	171.0	2.9	16	1
MMS1610S-DIN	□	3	16.1	48.3	73.0	75.0	123.0	120.1	2.9	18	2
MMS1610S-DIN-C	□	3		48.3	73.0	75.0	123.0	120.1	2.9	18	1
MMS1610L-DIN	□	5		80.5	93.0	95.0	143.0	140.1	2.9	18	2
MMS1610L-DIN-C	□	5		80.5	93.0	95.0	143.0	140.1	2.9	18	1
MMS1610X3DB	□	3		48.3	86.0	89.0	147.9	145.0	2.9	18	1
MMS1610X5DB	□	5		80.5	119.0	123.0	181.9	179.0	2.9	18	1
MMS1620S-DIN	□	3	16.2	48.6	73.0	75.0	123.0	120.1	2.9	18	2
MMS1620S-DIN-C	□	3		48.6	73.0	75.0	123.0	120.1	2.9	18	1
MMS1620L-DIN	□	5		81.0	93.0	95.0	143.0	140.1	2.9	18	2
MMS1620L-DIN-C	□	5		81.0	93.0	95.0	143.0	140.1	2.9	18	1
MMS1620X3DB	□	3		48.6	86.0	89.0	147.9	145.0	2.9	18	1
MMS1620X5DB	□	5		81.0	119.0	123.0	181.9	179.0	2.9	18	1

MMS

Order number	DP7020	Hole depth	DC	Dimensions (mm)						Type	
				LU	LCF	LH	OAL	LF	PL		DCON
MMS1630S-DIN	□	3	16.3	48.9	73.0	75.0	123.0	120.0	3.0	18	2
MMS1630S-DIN-C	□	3		48.9	73.0	75.0	123.0	120.0	3.0	18	1
MMS1630L-DIN	□	5		81.5	93.0	95.0	143.0	140.0	3.0	18	2
MMS1630L-DIN-C	□	5		81.5	93.0	95.0	143.0	140.0	3.0	18	1
MMS1630X3DB	□	3		48.9	86.0	89.0	148.0	145.0	3.0	18	1
MMS1630X5DB	□	5		81.5	119.0	123.0	182.0	179.0	3.0	18	1
MMS1640S-DIN	□	3	16.4	49.2	73.0	75.0	123.0	120.0	3.0	18	2
MMS1640S-DIN-C	□	3		49.2	73.0	75.0	123.0	120.0	3.0	18	1
MMS1640L-DIN	□	5		82.0	93.0	95.0	143.0	140.0	3.0	18	2
MMS1640L-DIN-C	□	5		82.0	93.0	95.0	143.0	140.0	3.0	18	1
MMS1640X3DB	□	3		49.2	86.0	89.0	148.0	145.0	3.0	18	1
MMS1640X5DB	□	5		82.0	119.0	123.0	182.0	179.0	3.0	18	1
MMS1650S-DIN-C	□	3	16.5	49.5	73.0	75.0	123.0	120.0	3.0	18	1
MMS1650L-DIN-C	□	5		82.5	93.0	95.0	143.0	140.0	3.0	18	1
MMS1650X3DB	★	3		49.5	86.0	89.0	148.0	145.0	3.0	18	1
MMS1650X5DB	★	5		82.5	119.0	123.0	182.0	179.0	3.0	18	1
MMS1660S-DIN	□	3	16.6	49.8	73.0	75.0	123.0	120.0	3.0	18	2
MMS1660S-DIN-C	□	3		49.8	73.0	75.0	123.0	120.0	3.0	18	1
MMS1660L-DIN	□	5		83.0	93.0	95.0	143.0	140.0	3.0	18	2
MMS1660L-DIN-C	□	5		83.0	93.0	95.0	143.0	140.0	3.0	18	1
MMS1660X3DB	□	3		49.8	88.0	89.0	148.0	145.0	3.0	18	1
MMS1660X5DB	□	5		83.0	122.0	123.0	182.0	179.0	3.0	18	1
MMS1670S-DIN	□	3	16.7	50.1	73.0	75.0	123.0	120.0	3.0	18	2
MMS1670S-DIN-C	□	3		50.1	73.0	75.0	123.0	120.0	3.0	18	1
MMS1670L-DIN	□	5		83.5	93.0	95.0	143.0	140.0	3.0	18	2
MMS1670L-DIN-C	□	5		83.5	93.0	95.0	143.0	140.0	3.0	18	1
MMS1670X3DB	□	3		50.1	88.0	89.0	148.0	145.0	3.0	18	1
MMS1670X5DB	□	5		83.5	122.0	123.0	182.0	179.0	3.0	18	1
MMS1680S-DIN	□	3	16.8	50.4	73.0	75.0	123.0	119.9	3.1	18	2
MMS1680S-DIN-C	□	3		50.4	73.0	75.0	123.0	119.9	3.1	18	1
MMS1680L-DIN	□	5		84.0	93.0	95.0	143.0	139.9	3.1	18	2
MMS1680L-DIN-C	□	5		84.0	93.0	95.0	143.0	139.9	3.1	18	1
MMS1680X3DB	□	3		50.4	88.0	89.0	148.1	145.0	3.1	18	1
MMS1680X5DB	□	5		84.0	122.0	123.0	182.1	179.0	3.1	18	1
MMS1690S-DIN	□	3	16.9	50.7	73.0	75.0	123.0	119.9	3.1	18	2
MMS1690S-DIN-C	□	3		50.7	73.0	75.0	123.0	119.9	3.1	18	1
MMS1690L-DIN	□	5		84.5	93.0	95.0	143.0	139.9	3.1	18	2
MMS1690L-DIN-C	□	5		84.5	93.0	95.0	143.0	139.9	3.1	18	1
MMS1690X3DB	□	3		50.7	88.0	89.0	148.1	145.0	3.1	18	1
MMS1690X5DB	□	5		84.5	122.0	123.0	182.1	179.0	3.1	18	1
MMS1700S-DIN-C	□	3	17.0	51.0	73.0	75.0	123.0	119.9	3.1	18	1
MMS1700L-DIN-C	□	5		85.0	93.0	95.0	143.0	139.9	3.1	18	1
MMS1700X3DB	★	3		51.0	88.0	89.0	148.1	145.0	3.1	18	1
MMS1700X5DB	★	5		85.0	122.0	123.0	182.1	179.0	3.1	18	1
MMS1710S-DIN	□	3	17.1	51.3	73.0	75.0	123.0	119.9	3.1	18	2
MMS1710S-DIN-C	□	3		51.3	73.0	75.0	123.0	119.9	3.1	18	1
MMS1710L-DIN	□	5		85.5	93.0	95.0	143.0	139.9	3.1	18	2
MMS1710L-DIN-C	□	5		85.5	93.0	95.0	143.0	139.9	3.1	18	1
MMS1710X3DB	□	3		51.3	91.0	93.0	152.1	149.0	3.1	18	1
MMS1710X5DB	□	5		85.5	126.0	129.0	188.1	185.0	3.1	18	1

MMS

Order number	DP7020	Hole depth	DC	Dimensions (mm)						Type	
				LU	LCF	LH	OAL	LF	PL		DCON
MMS1720S-DIN	□	3	17.2	51.6	73.0	75.0	123.0	119.9	3.1	18	2
MMS1720S-DIN-C	□	3		51.6	73.0	75.0	123.0	119.9	3.1	18	1
MMS1720L-DIN	□	5		86.0	93.0	95.0	143.0	139.9	3.1	18	2
MMS1720L-DIN-C	□	5		86.0	93.0	95.0	143.0	139.9	3.1	18	1
MMS1720X3DB	□	3		51.6	91.0	93.0	152.1	149.0	3.1	18	1
MMS1720X5DB	□	5		86.0	126.0	129.0	188.1	185.0	3.1	18	1
MMS1730S-DIN	□	3	17.3	51.9	73.0	75.0	123.0	119.9	3.1	18	2
MMS1730S-DIN-C	□	3		51.9	73.0	75.0	123.0	119.9	3.1	18	1
MMS1730L-DIN	□	5		86.5	93.0	95.0	143.0	139.9	3.1	18	2
MMS1730L-DIN-C	□	5		86.5	93.0	95.0	143.0	139.9	3.1	18	1
MMS1730X3DB	□	3		51.9	91.0	93.0	152.1	149.0	3.1	18	1
MMS1730X5DB	□	5		86.5	126.0	129.0	188.1	185.0	3.1	18	1
MMS1740S-DIN	□	3	17.4	52.2	73.0	75.0	123.0	119.8	3.2	18	2
MMS1740S-DIN-C	□	3		52.2	73.0	75.0	123.0	119.8	3.2	18	1
MMS1740L-DIN	□	5		87.0	93.0	95.0	143.0	139.8	3.2	18	2
MMS1740L-DIN-C	□	5		87.0	93.0	95.0	143.0	139.8	3.2	18	1
MMS1740X3DB	□	3		52.2	91.0	93.0	152.2	149.0	3.2	18	1
MMS1740X5DB	□	5		87.0	126.0	129.0	188.2	185.0	3.2	18	1
MMS1750S-DIN-C	□	3	17.5	52.5	73.0	75.0	123.0	119.8	3.2	18	1
MMS1750L-DIN-C	□	5		87.5	93.0	95.0	143.0	139.8	3.2	18	1
MMS1750X3DB	★	3		52.5	91.0	93.0	152.2	149.0	3.2	18	1
MMS1750X5DB	★	5		87.5	126.0	129.0	188.2	185.0	3.2	18	1
MMS1760S-DIN	□	3	17.6	52.8	73.0	75.0	123.0	119.8	3.2	18	2
MMS1760S-DIN-C	□	3		52.8	73.0	75.0	123.0	119.8	3.2	18	1
MMS1760L-DIN	□	5		88.0	93.0	95.0	143.0	139.8	3.2	18	2
MMS1760L-DIN-C	□	5		88.0	93.0	95.0	143.0	139.8	3.2	18	1
MMS1760X3DB	□	3		52.8	93.0	93.0	152.2	149.0	3.2	18	1
MMS1760X5DB	□	5		88.0	129.0	129.0	188.2	185.0	3.2	18	1
MMS1770S-DIN	□	3	17.7	53.1	73.0	75.0	123.0	119.8	3.2	18	2
MMS1770S-DIN-C	□	3		53.1	73.0	75.0	123.0	119.8	3.2	18	1
MMS1770L-DIN	□	5		88.5	93.0	95.0	143.0	139.8	3.2	18	2
MMS1770L-DIN-C	□	5		88.5	93.0	95.0	143.0	139.8	3.2	18	1
MMS1770X3DB	□	3		53.1	93.0	93.0	152.2	149.0	3.2	18	1
MMS1770X5DB	□	5		88.5	129.0	129.0	188.2	185.0	3.2	18	1
MMS1780S-DIN	□	3	17.8	53.4	73.0	75.0	123.0	119.8	3.2	18	2
MMS1780S-DIN-C	□	3		53.4	73.0	75.0	123.0	119.8	3.2	18	1
MMS1780L-DIN	□	5		89.0	93.0	95.0	143.0	139.8	3.2	18	2
MMS1780L-DIN-C	□	5		89.0	93.0	95.0	143.0	139.8	3.2	18	1
MMS1780X3DB	□	3		53.4	93.0	93.0	152.2	149.0	3.2	18	1
MMS1780X5DB	□	5		89.0	129.0	129.0	188.2	185.0	3.2	18	1
MMS1790S-DIN	□	3	17.9	53.7	73.0	75.0	123.0	119.7	3.3	18	2
MMS1790S-DIN-C	□	3		53.7	73.0	75.0	123.0	119.7	3.3	18	1
MMS1790L-DIN	□	5		89.5	93.0	95.0	143.0	139.7	3.3	18	2
MMS1790L-DIN-C	□	5		89.5	93.0	95.0	143.0	139.7	3.3	18	1
MMS1790X3DB	□	3		53.7	93.0	93.0	152.3	149.0	3.3	18	1
MMS1790X5DB	□	5		89.5	129.0	129.0	188.3	185.0	3.3	18	1
MMS1800S-DIN-C	□	3	18.0	54.0	73.0	75.0	123.0	119.7	3.3	18	1
MMS1800L-DIN-C	□	5		90.0	93.0	95.0	143.0	139.7	3.3	18	1
MMS1800X3DB	★	3		54.0	93.0	93.0	152.3	149.0	3.3	18	1
MMS1800X5DB	★	5		90.0	129.0	129.0	188.3	185.0	3.3	18	1

MMS

Order number	DP7020	Hole depth	DC	Dimensions (mm)						Type	
				LU	LCF	LH	OAL	LF	PL		DCON
MMS1810S-DIN	<input type="checkbox"/>	3	18.1	54.3	79.0	81.0	131.0	127.7	3.3	20	2
MMS1810S-DIN-C	<input type="checkbox"/>	3		54.3	79.0	81.0	131.0	127.7	3.3	20	1
MMS1810L-DIN	<input type="checkbox"/>	5		90.5	101.0	103.0	153.0	149.7	3.3	20	2
MMS1810L-DIN-C	<input type="checkbox"/>	5		90.5	101.0	103.0	153.0	149.7	3.3	20	1
MMS1810X3DB	<input type="checkbox"/>	3		54.3	96.0	99.0	160.3	157.0	3.3	20	1
MMS1810X5DB	<input type="checkbox"/>	5		90.5	133.0	137.0	198.3	195.0	3.3	20	1
MMS1820S-DIN	<input type="checkbox"/>	3	18.2	54.6	79.0	81.0	131.0	127.7	3.3	20	2
MMS1820S-DIN-C	<input type="checkbox"/>	3		54.6	79.0	81.0	131.0	127.7	3.3	20	1
MMS1820L-DIN	<input type="checkbox"/>	5		91.0	101.0	103.0	153.0	149.7	3.3	20	2
MMS1820L-DIN-C	<input type="checkbox"/>	5		91.0	101.0	103.0	153.0	149.7	3.3	20	1
MMS1820X3DB	<input type="checkbox"/>	3		54.6	96.0	99.0	160.3	157.0	3.3	20	1
MMS1820X5DB	<input type="checkbox"/>	5		91.0	133.0	137.0	198.3	195.0	3.3	20	1
MMS1830S-DIN	<input type="checkbox"/>	3	18.3	54.9	79.0	81.0	131.0	127.7	3.3	20	2
MMS1830S-DIN-C	<input type="checkbox"/>	3		54.9	79.0	81.0	131.0	127.7	3.3	20	1
MMS1830L-DIN	<input type="checkbox"/>	5		91.5	101.0	103.0	153.0	149.7	3.3	20	2
MMS1830L-DIN-C	<input type="checkbox"/>	5		91.5	101.0	103.0	153.0	149.7	3.3	20	1
MMS1830X3DB	<input type="checkbox"/>	3		54.9	96.0	99.0	160.3	157.0	3.3	20	1
MMS1830X5DB	<input type="checkbox"/>	5		91.5	133.0	137.0	198.3	195.0	3.3	20	1
MMS1840S-DIN	<input type="checkbox"/>	3	18.4	55.2	79.0	81.0	131.0	127.7	3.3	20	2
MMS1840S-DIN-C	<input type="checkbox"/>	3		55.2	79.0	81.0	131.0	127.7	3.3	20	1
MMS1840L-DIN	<input type="checkbox"/>	5		92.0	101.0	103.0	153.0	149.7	3.3	20	2
MMS1840L-DIN-C	<input type="checkbox"/>	5		92.0	101.0	103.0	153.0	149.7	3.3	20	1
MMS1840X3DB	<input type="checkbox"/>	3		55.2	96.0	99.0	160.3	157.0	3.3	20	1
MMS1840X5DB	<input type="checkbox"/>	5		92.0	133.0	137.0	198.3	195.0	3.3	20	1
MMS1850S-DIN-C	<input type="checkbox"/>	3	18.5	55.5	79.0	81.0	131.0	127.6	3.4	20	1
MMS1850L-DIN-C	<input type="checkbox"/>	5		92.5	101.0	103.0	153.0	149.6	3.4	20	1
MMS1850X3DB	★	3		55.5	96.0	99.0	160.4	157.0	3.4	20	1
MMS1850X5DB	★	5		92.5	133.0	137.0	198.4	195.0	3.4	20	1
MMS1860S-DIN	<input type="checkbox"/>	3	18.6	55.8	79.0	81.0	123.0	119.6	3.4	20	2
MMS1860S-DIN-C	<input type="checkbox"/>	3		55.8	79.0	81.0	123.0	119.6	3.4	20	1
MMS1860L-DIN	<input type="checkbox"/>	5		93.0	101.0	103.0	143.0	139.6	3.4	20	2
MMS1860L-DIN-C	<input type="checkbox"/>	5		93.0	101.0	103.0	143.0	139.6	3.4	20	1
MMS1860X3DB	<input type="checkbox"/>	3		55.8	98.0	99.0	160.4	157.0	3.4	20	1
MMS1860X5DB	<input type="checkbox"/>	5		93.0	136.0	137.0	198.4	195.0	3.4	20	1
MMS1870S-DIN	<input type="checkbox"/>	3	18.7	56.1	79.0	81.0	123.0	119.6	3.4	20	2
MMS1870S-DIN-C	<input type="checkbox"/>	3		56.1	79.0	81.0	123.0	119.6	3.4	20	1
MMS1870L-DIN	<input type="checkbox"/>	5		93.5	101.0	103.0	143.0	139.6	3.4	20	2
MMS1870L-DIN-C	<input type="checkbox"/>	5		93.5	101.0	103.0	143.0	139.6	3.4	20	1
MMS1870X3DB	<input type="checkbox"/>	3		56.1	98.0	99.0	160.4	157.0	3.4	20	1
MMS1870X5DB	<input type="checkbox"/>	5		93.5	136.0	137.0	198.4	195.0	3.4	20	1
MMS1880S-DIN	<input type="checkbox"/>	3	18.8	56.4	79.0	81.0	123.0	119.6	3.4	20	2
MMS1880S-DIN-C	<input type="checkbox"/>	3		56.4	79.0	81.0	123.0	119.6	3.4	20	1
MMS1880L-DIN	<input type="checkbox"/>	5		94.0	101.0	103.0	143.0	139.6	3.4	20	2
MMS1880L-DIN-C	<input type="checkbox"/>	5		94.0	101.0	103.0	143.0	139.6	3.4	20	1
MMS1880X3DB	<input type="checkbox"/>	3		56.4	98.0	99.0	160.4	157.0	3.4	20	1
MMS1880X5DB	<input type="checkbox"/>	5		94.0	136.0	137.0	198.4	195.0	3.4	20	1
MMS1890S-DIN	<input type="checkbox"/>	3	18.9	56.7	79.0	81.0	131.0	127.6	3.4	20	2
MMS1890S-DIN-C	<input type="checkbox"/>	3		56.7	79.0	81.0	131.0	127.6	3.4	20	1
MMS1890L-DIN	<input type="checkbox"/>	5		94.5	101.0	103.0	153.0	149.6	3.4	20	2
MMS1890L-DIN-C	<input type="checkbox"/>	5		94.5	101.0	103.0	153.0	149.6	3.4	20	1
MMS1890X3DB	<input type="checkbox"/>	3		56.7	98.0	99.0	160.4	157.0	3.4	20	1
MMS1890X5DB	<input type="checkbox"/>	5		94.5	136.0	137.0	198.4	195.0	3.4	20	1

MMS

Order number	DP7020	Hole depth	DC	Dimensions (mm)						Type	
				LU	LCF	LH	OAL	LF	PL		DCON
MMS1900S-DIN-C	□	3	19.0	57.0	79.0	81.0	131.0	127.5	3.5	20	1
MMS1900L-DIN-C	□	5		95.0	101.0	103.0	153.0	149.5	3.5	20	1
MMS1900X3DB	★	3		57.0	98.0	99.0	160.5	157.0	3.5	20	1
MMS1900X5DB	★	5		95.0	136.0	137.0	198.5	195.0	3.5	20	1
MMS1910S-DIN	□	3	19.1	57.3	79.0	81.0	131.0	127.5	3.5	20	2
MMS1910S-DIN-C	□	3		57.3	79.0	81.0	131.0	127.5	3.5	20	1
MMS1910L-DIN	□	5		95.5	101.0	103.0	153.0	149.5	3.5	20	2
MMS1910L-DIN-C	□	5		95.5	101.0	103.0	153.0	149.5	3.5	20	1
MMS1910X3DB	□	3		57.3	101.0	103.0	164.5	161.0	3.5	20	1
MMS1910X5DB	□	5		95.5	140.0	143.0	204.5	201.0	3.5	20	1
MMS1920S-DIN	□	3	19.2	57.6	79.0	81.0	131.0	127.5	3.5	20	2
MMS1920S-DIN-C	□	3		57.6	79.0	81.0	131.0	127.5	3.5	20	1
MMS1920L-DIN	□	5		96.0	101.0	103.0	153.0	149.5	3.5	20	2
MMS1920L-DIN-C	□	5		96.0	101.0	103.0	153.0	149.5	3.5	20	1
MMS1920X3DB	□	3		57.6	101.0	103.0	164.5	161.0	3.5	20	1
MMS1920X5DB	□	5		96.0	140.0	143.0	204.5	201.0	3.5	20	1
MMS1930S-DIN	□	3	19.3	57.9	79.0	81.0	131.0	127.5	3.5	20	2
MMS1930S-DIN-C	□	3		57.9	79.0	81.0	131.0	127.5	3.5	20	1
MMS1930L-DIN	□	5		96.5	101.0	103.0	153.0	149.5	3.5	20	2
MMS1930L-DIN-C	□	5		96.5	101.0	103.0	153.0	149.5	3.5	20	1
MMS1930X3DB	□	3		57.9	101.0	103.0	164.5	161.0	3.5	20	1
MMS1930X5DB	□	5		96.5	140.0	143.0	204.5	201.0	3.5	20	1
MMS1940S-DIN	□	3	19.4	58.2	79.0	81.0	131.0	127.5	3.5	20	2
MMS1940S-DIN-C	□	3		58.2	79.0	81.0	131.0	127.5	3.5	20	1
MMS1940L-DIN	□	5		97.0	101.0	103.0	153.0	149.5	3.5	20	2
MMS1940L-DIN-C	□	5		97.0	101.0	103.0	153.0	149.5	3.5	20	1
MMS1940X3DB	□	3		58.2	101.0	103.0	164.5	161.0	3.5	20	1
MMS1940X5DB	□	5		97.0	140.0	143.0	204.5	201.0	3.5	20	1
MMS1950S-DIN-C	□	3	19.5	58.5	79.0	81.0	131.0	127.5	3.5	20	1
MMS1950L-DIN	●	5		97.5	101.0	103.0	153.0	149.5	3.5	20	2
MMS1950L-DIN-C	□	5		97.5	101.0	103.0	153.0	149.5	3.5	20	1
MMS1950X3DB	★	3		58.5	101.0	103.0	164.5	161.0	3.5	20	1
MMS1950X5DB	★	5		97.5	140.0	143.0	204.5	201.0	3.5	20	1
MMS1960S-DIN	□	3		19.6	58.8	79.0	81.0	131.0	127.4	3.6	20
MMS1960S-DIN-C	□	3	58.8		79.0	81.0	131.0	127.4	3.6	20	1
MMS1960L-DIN	□	5	98.0		101.0	103.0	153.0	149.4	3.6	20	2
MMS1960L-DIN-C	□	5	98.0		101.0	103.0	153.0	149.4	3.6	20	1
MMS1960X3DB	□	3	58.8		104.0	104.0	164.6	161.0	3.6	20	1
MMS1960X5DB	□	5	98.0		144.0	144.0	204.6	201.0	3.6	20	1
MMS1970S-DIN	□	3	19.7	59.1	79.0	81.0	131.0	127.4	3.6	20	2
MMS1970S-DIN-C	□	3		59.1	79.0	81.0	131.0	127.4	3.6	20	1
MMS1970L-DIN	□	5		98.5	101.0	103.0	153.0	149.4	3.6	20	2
MMS1970L-DIN-C	□	5		98.5	101.0	103.0	153.0	149.4	3.6	20	1
MMS1970X3DB	□	3		59.1	104.0	104.0	164.6	161.0	3.6	20	1
MMS1970X5DB	□	5		98.5	144.0	144.0	204.6	201.0	3.6	20	1
MMS1980S-DIN	□	3	19.8	59.4	79.0	81.0	131.0	127.4	3.6	20	2
MMS1980S-DIN-C	□	3		59.4	79.0	81.0	131.0	127.4	3.6	20	1
MMS1980L-DIN	□	5		99.0	101.0	103.0	153.0	149.4	3.6	20	2
MMS1980L-DIN-C	□	5		99.0	101.0	103.0	153.0	149.4	3.6	20	1
MMS1980X3DB	□	3		59.4	104.0	104.0	164.6	161.0	3.6	20	1
MMS1980X5DB	□	5		99.0	144.0	144.0	204.6	201.0	3.6	20	1

MMS

Order number	DP7020	Hole depth	DC	Dimensions (mm)							Type
				LU	LCF	LH	OAL	LF	PL	DCON	
MMS1990S-DIN	<input type="checkbox"/>	3	19.9	59.7	79.0	81.0	131.0	127.4	3.6	20	2
MMS1990S-DIN-C	<input type="checkbox"/>	3		59.7	79.0	81.0	131.0	127.4	3.6	20	1
MMS1990L-DIN	<input type="checkbox"/>	5		99.5	101.0	103.0	153.0	149.4	3.6	20	2
MMS1990L-DIN-C	<input type="checkbox"/>	5		99.5	101.0	103.0	153.0	149.4	3.6	20	1
MMS1990X3DB	<input type="checkbox"/>	3		59.7	104.0	104.0	164.6	161.0	3.6	20	1
MMS1990X5DB	<input type="checkbox"/>	5		99.5	144.0	144.0	204.6	201.0	3.6	20	1
MMS2000S-DIN-C	<input type="checkbox"/>	3	20.0	60.0	79.0	81.0	131.0	127.4	3.6	20	1
MMS2000L-DIN-C	<input type="checkbox"/>	5		100.0	101.0	103.0	153.0	149.4	3.6	20	1
MMS2000X3DB	★	3		60.0	104.0	104.0	164.6	161.0	3.6	20	1
MMS2000X5DB	★	5		100.0	144.0	144.0	204.6	201.0	3.6	20	1

MMS

RECOMMENDED CUTTING CONDITIONS

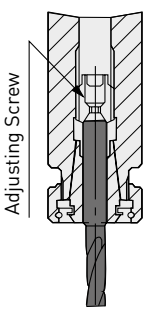
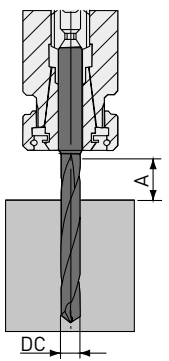
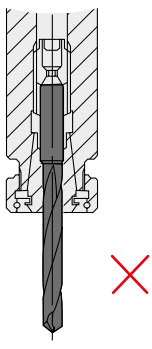
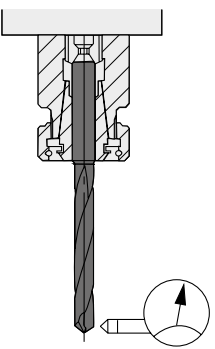
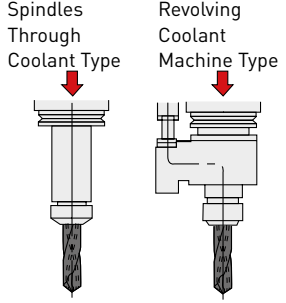
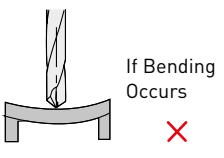
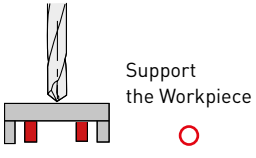
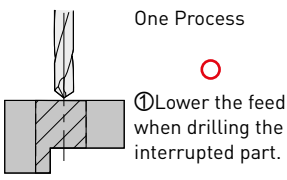
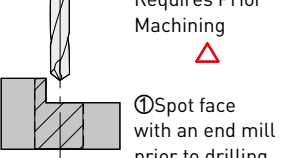
Material	DC	Vc	n	f	Vf
Austenitic stainless steel (≤200HB)	3.2	80	7900	0.13 [0.08-0.18]	1025
	4.0	80	6300	0.15 [0.10-0.20]	945
	5.0	80	5000	0.15 [0.10-0.20]	750
	6.3	80	4000	0.17 [0.12-0.22]	680
	8.0	80	3100	0.19 [0.14-0.24]	585
	10.0	60	1900	0.2 [0.15-0.25]	380
	12.0	60	1500	0.21 [0.16-0.26]	315
	16.0	60	1100	0.22 [0.17-0.27]	240
Austenitic stainless steel (>200HB)	20.0	60	900	0.23 [0.18-0.28]	205
	3.2	60	5900	0.1 [0.05-0.15]	590
	4.0	60	4700	0.12 [0.08-0.18]	560
	5.0	60	3800	0.12 [0.08-0.18]	455
	6.3	60	3000	0.15 [0.1-0.2]	450
	8.0	60	2300	0.17 [0.12-0.22]	390
	10.0	50	1500	0.18 [0.13-0.23]	270
	12.0	50	1300	0.19 [0.14-0.24]	245
Two-phase stainless steel (≤280HB)	16.0	50	900	0.2 [0.15-0.25]	180
	20.0	50	700	0.21 [0.16-0.26]	145
	3.2	50	4900	0.1 [0.05-0.15]	490
	4.0	50	3900	0.12 [0.08-0.18]	465
	5.0	50	3100	0.12 [0.08-0.18]	370
	6.3	50	2500	0.15 [0.1-0.2]	375
	8.0	50	1900	0.17 [0.12-0.22]	320
	10.0	40	1200	0.18 [0.13-0.23]	215
Ferritic and martensitic stainless steel (≤200HB)	12.0	40	1000	0.19 [0.14-0.24]	190
	16.0	40	700	0.2 [0.15-0.25]	140
	20.0	40	600	0.21 [0.16-0.26]	125
	3.2	80	7900	0.13 [0.08-0.18]	1025
	4.0	80	6300	0.15 [0.10-0.20]	945
	5.0	80	5000	0.15 [0.10-0.20]	750
	6.3	80	4000	0.17 [0.12-0.22]	680
	8.0	80	3100	0.19 [0.14-0.24]	585
Ferritic and martensitic stainless steel (>200HB)	10.0	60	1900	0.2 [0.15-0.25]	380
	12.0	60	1500	0.21 [0.16-0.26]	315
	16.0	60	1100	0.22 [0.17-0.27]	240
	20.0	60	900	0.23 [0.18-0.28]	205
	3.2	60	5900	0.1 [0.05-0.15]	590
	4.0	60	4700	0.12 [0.08-0.18]	560
	5.0	60	3800	0.12 [0.08-0.18]	455
	6.3	60	3000	0.15 [0.1-0.2]	450
	8.0	60	2300	0.17 [0.12-0.22]	390
	10.0	50	1500	0.18 [0.13-0.23]	270
	12.0	50	1300	0.19 [0.14-0.24]	245
	16.0	50	900	0.2 [0.15-0.25]	180
	20.0	50	700	0.21 [0.16-0.26]	145

MMS

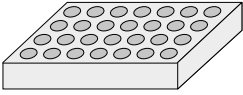
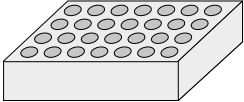
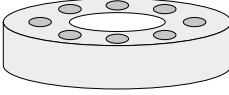
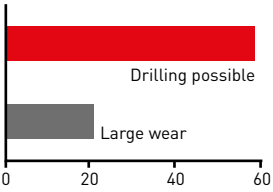
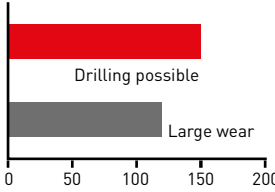
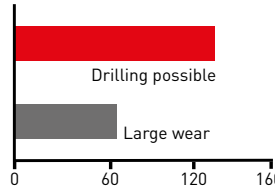
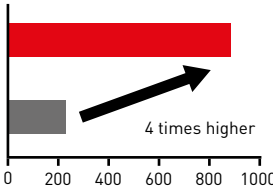
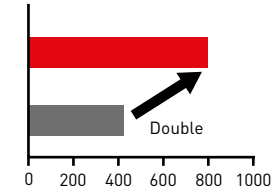
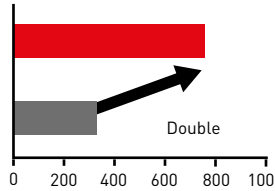
Material	DC	Vc	n	f	Vf
M PH / Precipitation hardened stainless steel (<450HB)	3.2	50	4900	0.1 (0.05-0.15)	490
	4.0	50	3900	0.12 (0.08-0.18)	465
	5.0	50	3100	0.12 (0.08-0.18)	370
	6.3	50	2500	0.15 (0.1-0.2)	375
	8.0	50	1900	0.17 (0.12-0.22)	320
	10.0	40	1200	0.18 (0.13-0.23)	215
	12.0	40	1000	0.19 (0.14-0.24)	190
	16.0	40	700	0.2 (0.15-0.25)	140
	20.0	40	600	0.21 (0.16-0.26)	125

- Using a high pressure, through spindle coolant system is recommended.
- Emulsion type water based coolant is recommended.
- When using non-water coolant, reduce the revolution by 10%–20%.

OPERATIONAL GUIDANCE

Drill Holding	Drill Length	Drill Installation	Installation Tolerance
 <p>Adjusting Screw</p> <p>Thrust bearing type collet chuck holds the drill securely.</p>	 <p>$A > DC \times 1.5$</p>	 <p>Do not clamp on the flutes.</p>	 <p>Run-out $\leq 0.03\text{mm}$</p>
Through Coolant Type	Coolant Handling	Thin Workpiece	Interrupted Cutting
 <p>Spindles Through Coolant Type</p> <p>Revolving Coolant Machine Type</p> <p>Coolant pressure is approx. 5 bar-70 bar</p>	<p>1) Dirt and dust particles in old coolant can clog the oil hole and prevent effective flow. Regular coolant exchange is recommended.</p> <p>2) Small particles of chips will jam in the oil hole. Use a filter as a preventative measure. When using small diameter drills, use a fine mesh filter.</p>	 <p>If Bending Occurs</p>  <p>Support the Workpiece</p>	<p>One Process</p>  <p>① Lower the feed when drilling the interrupted part.</p> <p>Requires Prior Machining</p>  <p>① Spot face with an end mill prior to drilling.</p>

APPLICATION EXAMPLE

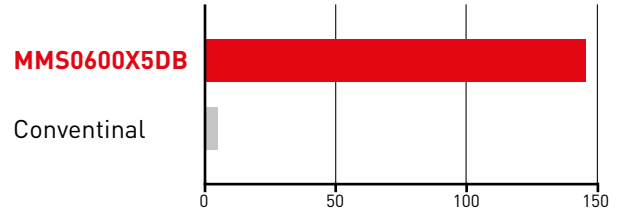
Drill	MMS0560X5DB		MMS0500X5DB		MMS0970X3DB		
Workpiece	Austenitic stainless steel JIS SUS304(200HB) Hole depth : 20mm 		PH stainless steel JIS SUS630 Hole depth : 30mm 		Austenitic stainless steel JIS SUS304L(200HB) Hole depth : 25.4mm 		
Component	Medical parts		Spinneret		Heat exchanger parts		
Drill	MMS0560X5DB	Conventional	MMS0500X5DB	Conventional	MMS0970X3DB	Conventional	
Cutting conditions	Vc (m/min)	70	39	64	66	99	70
	f (mm/rev)	0.22	0.1	0.2	0.1	0.23	0.14
	n (min ⁻¹)	3979	2217	4074	4210	3249	2297
	fr (mm/min)	875	222	815	421	747	322
Coolant	Emulsion		Emulsion		Emulsion		
Machine	Machining centre		Machining centre		Machining centre		
TOOL LIFE							
Result							
	FEED RATE						
							

CUTTING PERFORMANCE

MMS drills offer longer tool life and are ideal for drilling stainless steels.

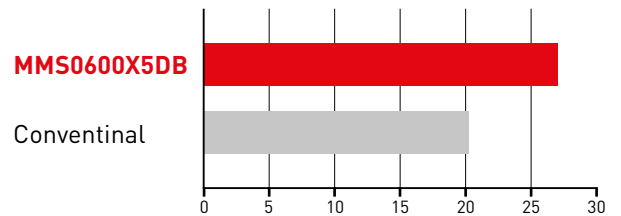
AUSTENITIC STAINLESS STEEL

Drill (mm)	Ø6.0
Workpiece	JIS SUS316L
Hole depth (mm)	30 (L/D=5)
Vc (m/min)	90
f (mm/rev)	0.2
fr (mm/min)	955 (Non stop)
Coolant	W.S.O
Emission pressure	3 MPa
Machine	Machining centre



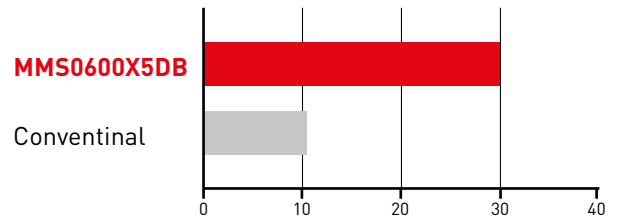
MARTENSITIC STAINLESS STEEL

Drill (mm)	Ø6.0
Workpiece	JIS SUS420J2
Hole depth (mm)	30 (L/D=5)
Vc (m/min)	50
f (mm/rev)	0.13
fr (mm/min)	345 (Non stop)
Coolant	W.S.O
Emission pressure	3 MPa
Machine	Machining centre



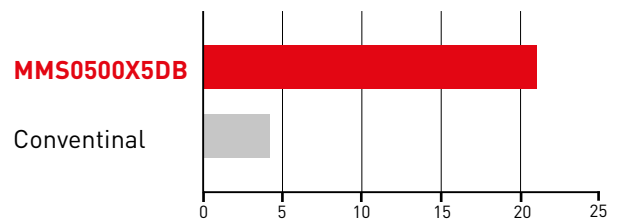
DUPLEX STEEL

Drill (mm)	Ø6.0
Workpiece	JIS SUS329J1
Hole depth (mm)	30 (L/D=5)
Vc (m/min)	50
f (mm/rev)	0.13
fr (mm/min)	345 (Non stop)
Coolant	W.S.O
Emission pressure	3 MPa
Machine	Machining centre



PH STAINLESS STEEL

Drill (mm)	Ø5.0
Workpiece	JIS SUS630
Hole depth (mm)	25 (L/D=5)
Vc (m/min)	50
f (mm/rev)	0.08
fr (mm/min)	255 (Non stop)
Coolant	W.S.O
Emission pressure	3 MPa
Machine	Machining centre



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