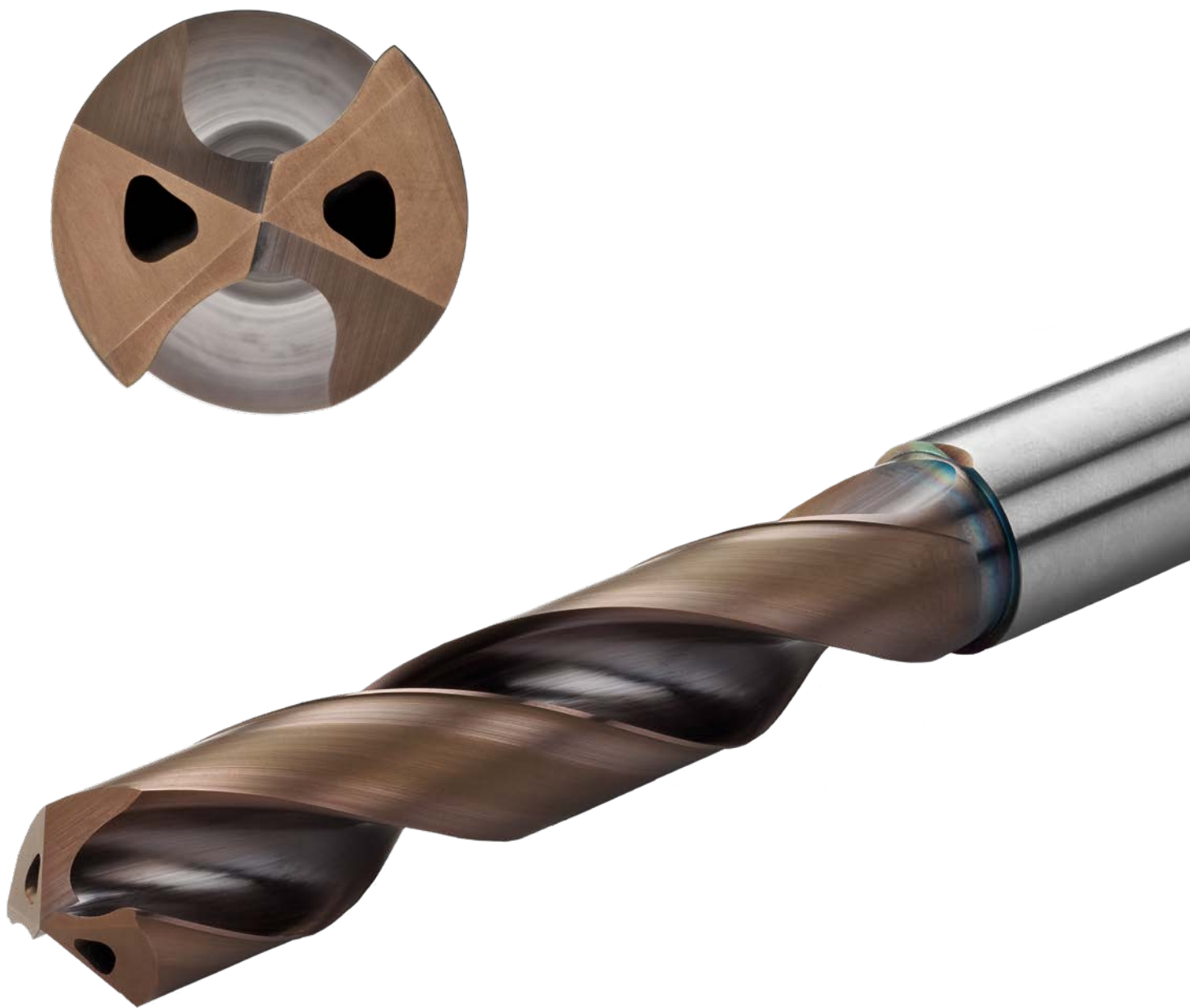


MMS

BROCAS DE METAL DURO PARA ACERO INOXIDABLE



MMS

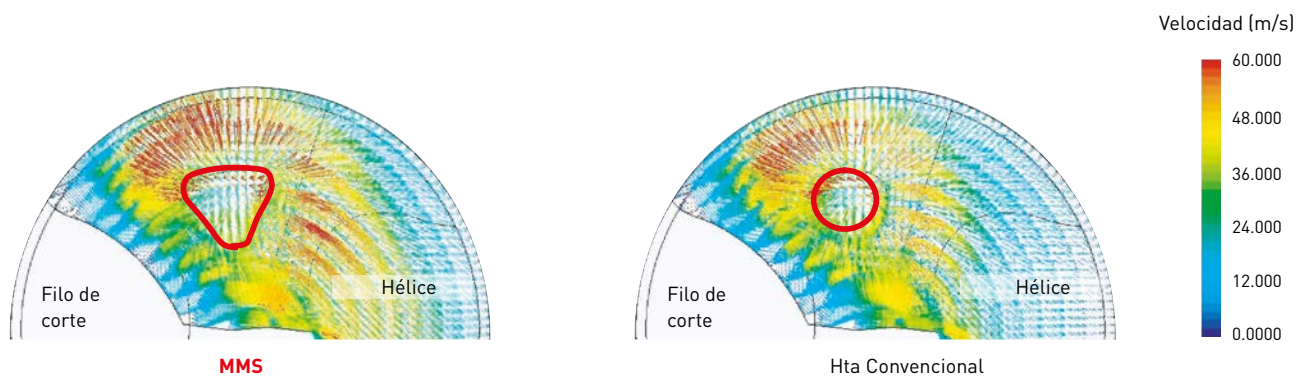
BROCAS DE METAL DURO PARA ACERO INOXIDABLE

GEOMETRÍA DEL AGUJERO DE REFRIGERACIÓN ÚNICA PARA UNA ALTA PRODUCTIVIDAD Y UNA LARGA VIDA ÚTIL DE LA HERRAMIENTA



EN COMPARACIÓN CON LAS BROCAS CONVENCIONALES EL VOLUMEN DE REFRIGERANTE SE DUPLICA CON REFRIGERACIÓN MEJORADA PARA UNA MAYOR VIDA ÚTIL DE LA HERRAMIENTA

SIMULACIÓN DE LA VELOCIDAD DEL FLUJO DE REFRIGERANTE (4700RPM)

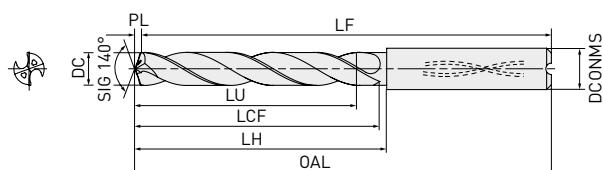
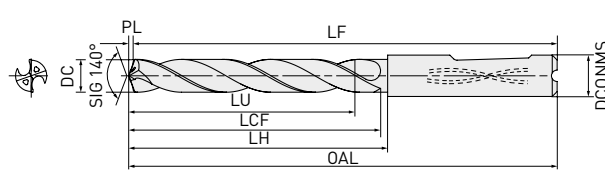
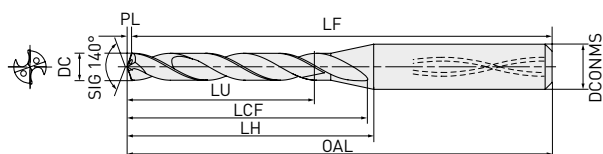
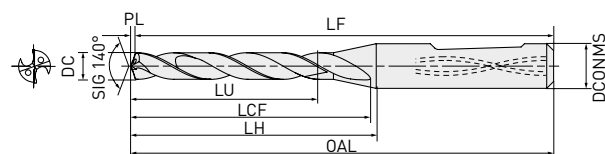


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BROCAS DE METAL DURO PARA ACERO INOXIDABLE

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1 Tipo mango cilíndrico

2 Mango tipo Whistle notch

3 Tipo mango cilíndrico con cuello cónico

4 Mango tipo Whistle notch con cuello cónico


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

- Para un taladrado de alta precisión y eficaz de aceros inoxidables.
- Las brocas con agujeros TRI coolant empiezan desde Ø 6.05mm.

Referencia	DP7020	Profundidad agujero	DC	Dimensiones (mm)						Tipo	
				LU	LCF	LH	OAL	LF	PL		DCONMS
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

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MMS

Referencia	DP7020 Profundidad agujero	DC	Dimensiones (mm)							Tipo
			LU	LCF	LH	OAL	LF	PL	DCONMS	
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

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MMS

Referencia	DP7020 Profundidad agujero	DC	Dimensiones (mm)							Tipo
			LU	LCF	LH	OAL	LF	PL	DCONMS	
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	3
MMS0460L-DIN	□ 5		23.0	36.0	38.0	74.0	73.2	0.8	6	4
MMS0460L-DIN-C	● 5		23.0	36.0	38.0	74.0	73.2	0.8	6	3
MMS0460X3DB	★ 3		13.8	26.0	29.0	75.8	75.0	0.8	6	3
MMS0460X5DB	★ 5		23.0	36.0	39.0	85.8	85.0	0.8	6	3
MMS0465S-DIN	□ 3	4.65	14.0	24.0	30.0	66.0	65.2	0.8	6	4
MMS0465S-DIN-C	● 3		14.0	24.0	30.0	66.0	65.2	0.8	6	3
MMS0465L-DIN	□ 5		23.3	36.0	38.0	74.0	73.2	0.8	6	4
MMS0465L-DIN-C	● 5		23.3	36.0	38.0	74.0	73.2	0.8	6	3

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● : Stock Europa. ★ : Stock Japón. □ : Fabricación bajo pedido.

MMS

Referencia	DP7020 Profundidad agujero	DC	Dimensiones (mm)							Tipo
			LU	LCF	LH	OAL	LF	PL	DCONMS	
MMS0470S-DIN	□	3	14.1	24.0	30.0	66.0	65.1	0.9	6	4
MMS0470S-DIN-C	□	3	14.1	24.0	30.0	66.0	65.1	0.9	6	3
MMS0470L-DIN	□	5	23.5	36.0	38.0	74.0	73.1	0.9	6	4
MMS0470L-DIN-C	□	5	23.5	36.0	38.0	74.0	73.1	0.9	6	3
MMS0470X3DB	★	3	14.1	26.0	29.0	75.9	75.0	0.9	6	3
MMS0470X5DB	★	5	23.5	36.0	39.0	85.9	85.0	0.9	6	3
MMS0480S-DIN	□	3	14.4	28.0	30.0	66.0	65.1	0.9	6	4
MMS0480S-DIN-C	●	3	14.4	28.0	30.0	66.0	65.1	0.9	6	3
MMS0480L-DIN	□	5	24.0	44.0	46.0	82.0	81.1	0.9	6	4
MMS0480L-DIN-C	●	5	24.0	44.0	46.0	82.0	81.1	0.9	6	3
MMS0480X3DB	★	3	14.4	26.0	29.0	75.9	75.0	0.9	6	3
MMS0480X5DB	★	5	24.0	36.0	39.0	85.9	85.0	0.9	6	3
MMS0490S-DIN	□	3	14.7	28.0	30.0	66.0	65.1	0.9	6	4
MMS0490S-DIN-C	□	3	14.7	28.0	30.0	66.0	65.1	0.9	6	3
MMS0490L-DIN	□	5	24.5	44.0	46.0	82.0	81.1	0.9	6	4
MMS0490L-DIN-C	□	5	24.5	44.0	46.0	82.0	81.1	0.9	6	3
MMS0490X3DB	★	3	14.7	26.0	29.0	75.9	75.0	0.9	6	3
MMS0490X5DB	★	5	24.5	36.0	39.0	85.9	85.0	0.9	6	3
MMS0500S-DIN-C	●	3	15.0	28.0	30.0	66.0	65.1	0.9	6	3
MMS0500L-DIN-C	●	5	25.0	44.0	46.0	82.0	81.1	0.9	6	3
MMS0500X3DB	★	3	15.0	26.0	29.0	75.9	75.0	0.9	6	3
MMS0500X5DB	★	5	25.0	36.0	39.0	85.9	85.0	0.9	6	3
MMS0505S-DIN	□	3	15.2	28.0	30.0	66.0	65.1	0.9	6	4
MMS0505S-DIN-C	●	3	15.2	28.0	30.0	66.0	65.1	0.9	6	3
MMS0505L-DIN	□	5	25.3	44.0	46.0	82.0	81.1	0.9	6	4
MMS0505L-DIN-C	●	5	25.3	44.0	46.0	82.0	81.1	0.9	6	3
MMS0510S-DIN	□	3	15.3	28.0	30.0	66.0	65.1	0.9	6	4
MMS0510S-DIN-C	●	3	15.3	28.0	30.0	66.0	65.1	0.9	6	3
MMS0510L-DIN	□	5	25.5	44.0	46.0	82.0	81.1	0.9	6	4
MMS0510L-DIN-C	●	5	25.5	44.0	46.0	82.0	81.1	0.9	6	3
MMS0510X3DB	★	3	15.3	29.0	31.0	81.9	81.0	0.9	6	3
MMS0510X5DB	★	5	25.5	40.0	43.0	89.9	89.0	0.9	6	3
MMS0520S-DIN	□	3	15.6	28.0	30.0	66.0	65.1	0.9	6	4
MMS0520S-DIN-C	●	3	15.6	28.0	30.0	66.0	65.1	0.9	6	3
MMS0520L-DIN	□	5	26.0	44.0	46.0	82.0	81.1	0.9	6	4
MMS0520L-DIN-C	●	5	26.0	44.0	46.0	82.0	81.1	0.9	6	3
MMS0520X3DB	★	3	15.6	29.0	31.0	81.9	81.0	0.9	6	3
MMS0520X5DB	★	5	26.0	40.0	43.0	89.9	89.0	0.9	6	3
MMS0530S-DIN	□	3	15.9	28.0	30.0	66.0	65.0	1.0	6	4
MMS0530S-DIN-C	□	3	15.9	28.0	30.0	66.0	65.0	1.0	6	3
MMS0530L-DIN	□	5	26.5	44.0	46.0	82.0	81.0	1.0	6	4
MMS0530L-DIN-C	□	5	26.5	44.0	46.0	82.0	81.0	1.0	6	3
MMS0530X3DB	★	3	15.9	29.0	31.0	82.0	81.0	1.0	6	3
MMS0530X5DB	★	5	26.5	40.0	43.0	90.0	89.0	1.0	6	3
MMS0540S-DIN	□	3	16.2	28.0	30.0	66.0	65.0	1.0	6	4
MMS0540S-DIN-C	□	3	16.2	28.0	30.0	66.0	65.0	1.0	6	3
MMS0540L-DIN	□	5	27.0	44.0	46.0	82.0	81.0	1.0	6	4
MMS0540L-DIN-C	□	5	27.0	44.0	46.0	82.0	81.0	1.0	6	3
MMS0540X3DB	★	3	16.2	29.0	31.0	82.0	81.0	1.0	6	3
MMS0540X5DB	★	5	27.0	40.0	43.0	90.0	89.0	1.0	6	3

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MMS

Referencia	DP7020	Profundidad agujero	DC	Dimensiones (mm)							Tipo
				LU	LCF	LH	OAL	LF	PL	DCONMS	
MMS0550S-DIN	□	3	5.5	16.5	28.0	30.0	66.0	65.0	1.0	6	4
MMS0550S-DIN-C	●	3		16.5	28.0	30.0	66.0	65.0	1.0	6	3
MMS0550L-DIN	□	5		27.5	44.0	46.0	82.0	81.0	1.0	6	4
MMS0550L-DIN-C	●	5		27.5	44.0	46.0	82.0	81.0	1.0	6	3
MMS0550X3DB	★	3		16.5	29.0	31.0	82.0	81.0	1.0	6	3
MMS0550X5DB	★	5		27.5	40.0	43.0	90.0	89.0	1.0	6	3
MMS0555S-DIN	□	3	5.55	16.7	28.0	30.0	66.0	65.0	1.0	6	4
MMS0555S-DIN-C	●	3		16.7	28.0	30.0	66.0	65.0	1.0	6	3
MMS0555L-DIN-C	●	5		27.8	44.0	46.0	82.0	81.0	1.0	6	3
MMS0560S-DIN	□	3	5.6	16.8	28.0	30.0	66.0	65.0	1.0	6	4
MMS0560S-DIN-C	●	3		16.8	28.0	30.0	66.0	65.0	1.0	6	3
MMS0560L-DIN	□	5		28.0	44.0	46.0	82.0	81.0	1.0	6	4
MMS0560L-DIN-C	●	5		28.0	44.0	46.0	82.0	81.0	1.0	6	3
MMS0560X3DB	★	3		16.8	31.0	31.0	82.0	81.0	1.0	6	3
MMS0560X5DB	★	5		28.0	43.0	43.0	90.0	89.0	1.0	6	3
MMS0570S-DIN	□	3	5.7	17.1	28.0	30.0	66.0	65.0	1.0	6	4
MMS0570S-DIN-C	●	3		17.1	28.0	30.0	66.0	65.0	1.0	6	3
MMS0570L-DIN	□	5		28.5	44.0	46.0	82.0	81.0	1.0	6	4
MMS0570L-DIN-C	●	5		28.5	44.0	46.0	82.0	81.0	1.0	6	3
MMS0570X3DB	★	3		17.1	31.0	31.0	82.0	81.0	1.0	6	3
MMS0570X5DB	★	5		28.5	43.0	43.0	90.0	89.0	1.0	6	3
MMS0580S-DIN	□	3	5.8	17.4	28.0	30.0	66.0	64.9	1.1	6	4
MMS0580S-DIN-C	●	3		17.4	28.0	30.0	66.0	64.9	1.1	6	3
MMS0580L-DIN	□	5		29.0	44.0	46.0	82.0	80.9	1.1	6	4
MMS0580L-DIN-C	●	5		29.0	44.0	46.0	82.0	80.9	1.1	6	3
MMS0580X3DB	★	3		17.4	31.0	31.0	82.1	81.0	1.1	6	3
MMS0580X5DB	★	5		29.0	43.0	43.0	90.1	89.0	1.1	6	3
MMS0590S-DIN	□	3	5.9	17.7	28.0	30.0	66.0	64.9	1.1	6	4
MMS0590S-DIN-C	□	3		17.7	28.0	30.0	66.0	64.9	1.1	6	3
MMS0590L-DIN	□	5		29.5	44.0	46.0	82.0	80.9	1.1	6	4
MMS0590L-DIN-C	□	5		29.5	44.0	46.0	82.0	80.9	1.1	6	3
MMS0590X3DB	★	3		17.7	31.0	31.0	82.1	81.0	1.1	6	3
MMS0590X5DB	★	5		29.5	43.0	43.0	90.1	89.0	1.1	6	3
MMS0600S-DIN-C	●	3	6.0	18.0	28.0	30.0	66.0	64.9	1.1	6	3
MMS0600L-DIN-C	●	5		30.0	44.0	46.0	82.0	80.9	1.1	6	3
MMS0600X3DB	★	3		18.0	31.0	31.0	82.1	81.0	1.1	6	3
MMS0600X5DB	★	5		30.0	43.0	43.0	90.1	89.0	1.1	6	3
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

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MMS

Referencia	DP7020 Profundidad agujero	DC	Dimensiones (mm)							Tipo
			LU	LCF	LH	OAL	LF	PL	DCONMS	
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
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

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MMS

Referencia	DP7020 Profundidad agujero	DC	Dimensiones (mm)							Tipo
			LU	LCF	LH	OAL	LF	PL	DCONMS	
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
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

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Referencia	DP7020	Profundidad agujero	DC	Dimensiones (mm)						Tipo	
				LU	LCF	LH	OAL	LF	PL		DCONMS
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
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

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MMS

Referencia	DP7020 Profundidad agujero	DC	Dimensiones (mm)							Tipo
			LU	LCF	LH	OAL	LF	PL	DCONMS	
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
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

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MMS

Referencia	DP7020 Profundidad agujero	DC	Dimensiones (mm)							Tipo
			LU	LCF	LH	OAL	LF	PL	DCONMS	
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
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

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MMS

Referencia	DP7020 Profundidad agujero	DC	Dimensiones (mm)							Tipo
			LU	LCF	LH	OAL	LF	PL	DCONMS	
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
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

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MMS

Referencia	DP7020 Profundidad agujero	DC	Dimensiones (mm)							Tipo
			LU	LCF	LH	OAL	LF	PL	DCONMS	
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
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

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MMS

Referencia	DP7020 Profundidad agujero	DC	Dimensiones (mm)							Info
			LU	LCF	LH	OAL	LF	PL	DCONMS	
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
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

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MMS

Referencia	DP7020 Profundidad agujero	DC	Dimensiones (mm)							Tipo
			LU	LCF	LH	OAL	LF	PL	DCONMS	
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
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

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MMS

Referencia	DP7020	Profundidad agujero	DC	Dimensiones (mm)							Tipo
				LU	LCF	LH	OAL	LF	PL	DCONMS	
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
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
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MMS

Referencia	DP7020	Profundidad agujero	DC	Dimensiones (mm)							Tipo
				LU	LCF	LH	OAL	LF	PL	DCONMS	
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
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

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MMS

Referencia	DP7020	Profundidad agujero	DC	Dimensiones (mm)							Tipo
				LU	LCF	LH	OAL	LF	PL	DCONMS	
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
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	15.5	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

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MMS

Referencia	DP7020	Profundidad agujero	DC	Dimensiones (mm)							Tipo
				LU	LCF	LH	OAL	LF	PL	DCONMS	
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	16.0	79.5	115.0	115.0	173.9	171.0	2.9	16	1
MMS1600S-DIN-C	□	3		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	16.2	80.5	119.0	123.0	181.9	179.0	2.9	18	1
MMS1620S-DIN	□	3		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	16.3	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
MMS1630S-DIN	□	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	16.4	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		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	16.5	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	16.6	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	16.7	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	16.8	83.0	122.0	123.0	182.0	179.0	3.0	18	1
MMS1670S-DIN	□	3		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	16.9	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

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MMS

Referencia	DP7020	Profundidad agujero	DC	Dimensiones (mm)							Tipo
				LU	LCF	LH	OAL	LF	PL	DCONMS	
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
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

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MMS

Referencia	DP7020	Profundidad agujero	DC	Dimensiones (mm)							Tipo
				LU	LCF	LH	OAL	LF	PL	DCONMS	
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
MMS1810S-DIN	☐	3	18.1	54.3	79.0	81.0	131.0	127.7	3.3	20	2
MMS1810S-DIN-C	☐	3		54.3	79.0	81.0	131.0	127.7	3.3	20	1
MMS1810L-DIN	☐	5		90.5	101.0	103.0	153.0	149.7	3.3	20	2
MMS1810L-DIN-C	☐	5		90.5	101.0	103.0	153.0	149.7	3.3	20	1
MMS1810X3DB	☐	3		54.3	96.0	99.0	160.3	157.0	3.3	20	1
MMS1810X5DB	☐	5		90.5	133.0	137.0	198.3	195.0	3.3	20	1
MMS1820S-DIN	☐	3	18.2	54.6	79.0	81.0	131.0	127.7	3.3	20	2
MMS1820S-DIN-C	☐	3		54.6	79.0	81.0	131.0	127.7	3.3	20	1
MMS1820L-DIN	☐	5		91.0	101.0	103.0	153.0	149.7	3.3	20	2
MMS1820L-DIN-C	☐	5		91.0	101.0	103.0	153.0	149.7	3.3	20	1
MMS1820X3DB	☐	3		54.6	96.0	99.0	160.3	157.0	3.3	20	1
MMS1820X5DB	☐	5		91.0	133.0	137.0	198.3	195.0	3.3	20	1
MMS1830S-DIN	☐	3	18.3	54.9	79.0	81.0	131.0	127.7	3.3	20	2
MMS1830S-DIN-C	☐	3		54.9	79.0	81.0	131.0	127.7	3.3	20	1
MMS1830L-DIN	☐	5		91.5	101.0	103.0	153.0	149.7	3.3	20	2
MMS1830L-DIN-C	☐	5		91.5	101.0	103.0	153.0	149.7	3.3	20	1
MMS1830X3DB	☐	3		54.9	96.0	99.0	160.3	157.0	3.3	20	1
MMS1830X5DB	☐	5		91.5	133.0	137.0	198.3	195.0	3.3	20	1
MMS1840S-DIN	☐	3	18.4	55.2	79.0	81.0	131.0	127.7	3.3	20	2
MMS1840S-DIN-C	☐	3		55.2	79.0	81.0	131.0	127.7	3.3	20	1
MMS1840L-DIN	☐	5		92.0	101.0	103.0	153.0	149.7	3.3	20	2
MMS1840L-DIN-C	☐	5		92.0	101.0	103.0	153.0	149.7	3.3	20	1
MMS1840X3DB	☐	3		55.2	96.0	99.0	160.3	157.0	3.3	20	1
MMS1840X5DB	☐	5		92.0	133.0	137.0	198.3	195.0	3.3	20	1
MMS1850S-DIN-C	☐	3	18.5	55.5	79.0	81.0	131.0	127.6	3.4	20	1
MMS1850L-DIN-C	☐	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

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Referencia	DP7020	Profundidad agujero	DC	Dimensiones (mm)							Tipo
				LU	LCF	LH	OAL	LF	PL	DCONMS	
MMS1860S-DIN	☐	3	18.6	55.8	79.0	81.0	123.0	119.6	3.4	20	2
MMS1860S-DIN-C	☐	3		55.8	79.0	81.0	123.0	119.6	3.4	20	1
MMS1860L-DIN	☐	5		93.0	101.0	103.0	143.0	139.6	3.4	20	2
MMS1860L-DIN-C	☐	5		93.0	101.0	103.0	143.0	139.6	3.4	20	1
MMS1860X3DB	☐	3		55.8	98.0	99.0	160.4	157.0	3.4	20	1
MMS1860X5DB	☐	5		93.0	136.0	137.0	198.4	195.0	3.4	20	1
MMS1870S-DIN	☐	3	18.7	56.1	79.0	81.0	123.0	119.6	3.4	20	2
MMS1870S-DIN-C	☐	3		56.1	79.0	81.0	123.0	119.6	3.4	20	1
MMS1870L-DIN	☐	5		93.5	101.0	103.0	143.0	139.6	3.4	20	2
MMS1870L-DIN-C	☐	5		93.5	101.0	103.0	143.0	139.6	3.4	20	1
MMS1870X3DB	☐	3		56.1	98.0	99.0	160.4	157.0	3.4	20	1
MMS1870X5DB	☐	5		93.5	136.0	137.0	198.4	195.0	3.4	20	1
MMS1880S-DIN	☐	3	18.8	56.4	79.0	81.0	123.0	119.6	3.4	20	2
MMS1880S-DIN-C	☐	3		56.4	79.0	81.0	123.0	119.6	3.4	20	1
MMS1880L-DIN	☐	5		94.0	101.0	103.0	143.0	139.6	3.4	20	2
MMS1880L-DIN-C	☐	5		94.0	101.0	103.0	143.0	139.6	3.4	20	1
MMS1880X3DB	☐	3		56.4	98.0	99.0	160.4	157.0	3.4	20	1
MMS1880X5DB	☐	5		94.0	136.0	137.0	198.4	195.0	3.4	20	1
MMS1890S-DIN	☐	3	18.9	56.7	79.0	81.0	131.0	127.6	3.4	20	2
MMS1890S-DIN-C	☐	3		56.7	79.0	81.0	131.0	127.6	3.4	20	1
MMS1890L-DIN	☐	5		94.5	101.0	103.0	153.0	149.6	3.4	20	2
MMS1890L-DIN-C	☐	5		94.5	101.0	103.0	153.0	149.6	3.4	20	1
MMS1890X3DB	☐	3		56.7	98.0	99.0	160.4	157.0	3.4	20	1
MMS1890X5DB	☐	5		94.5	136.0	137.0	198.4	195.0	3.4	20	1
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

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Referencia	DP7020	Profundidad agujero	DC	Dimensiones (mm)							Tipo
				LU	LCF	LH	OAL	LF	PL	DCONMS	
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	2
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
MMS1990S-DIN	□	3	19.9	59.7	79.0	81.0	131.0	127.4	3.6	20	2
MMS1990S-DIN-C	□	3		59.7	79.0	81.0	131.0	127.4	3.6	20	1
MMS1990L-DIN	□	5		99.5	101.0	103.0	153.0	149.4	3.6	20	2
MMS1990L-DIN-C	□	5		99.5	101.0	103.0	153.0	149.4	3.6	20	1
MMS1990X3DB	□	3		59.7	104.0	104.0	164.6	161.0	3.6	20	1
MMS1990X5DB	□	5		99.5	144.0	144.0	204.6	201.0	3.6	20	1
MMS2000S-DIN-C	□	3	20.0	60.0	79.0	81.0	131.0	127.4	3.6	20	1
MMS2000L-DIN-C	□	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
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MMS

CONDICIONES DE CORTE RECOMENDADAS

Material	DC	Vc	n	f	Vf
Acero Inoxidable austenítico (≤180HB)	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
Acero Inoxidable austenítico (180–280HB)	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
Acero inoxidable dúplex (≤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
Aceros inoxidables ferríticos y martensíticos (≤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
Aceros inoxidables ferríticos y martensíticos (>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

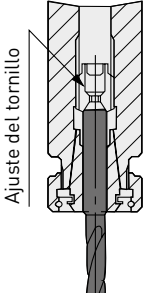
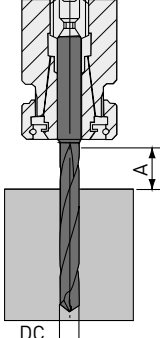
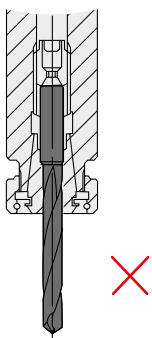
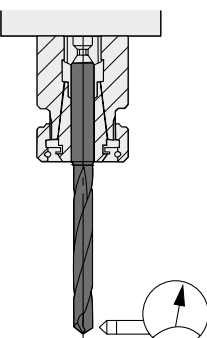
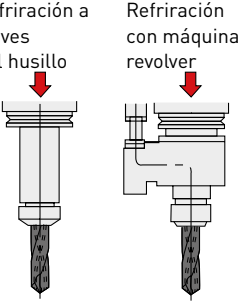
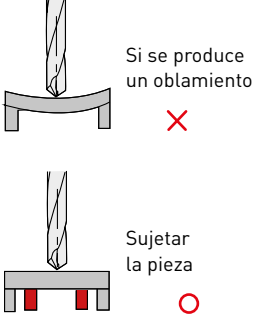
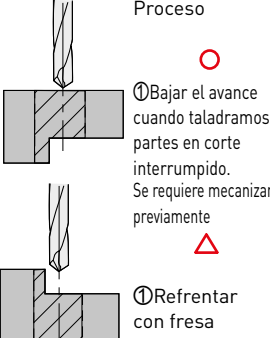
MMS

Material	DC	Vc	n	f	Vf
M Aceros inoxidables endurecidos (<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

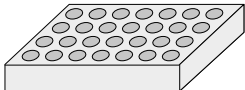
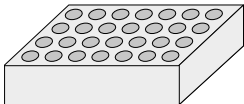
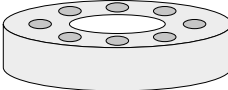
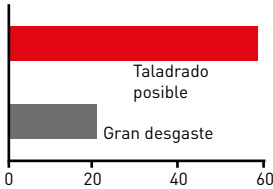
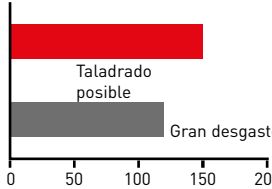
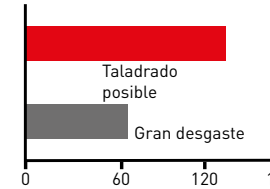
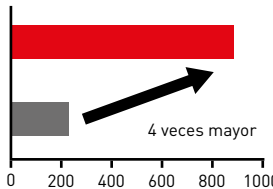
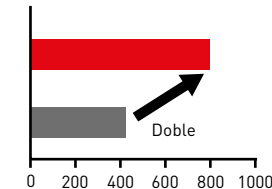
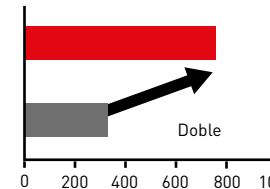
2/2

1. Para practicar agujeros con estabilidad, es recomendable un sistema de refrigeración por el eje.
2. Es recomendable utilizar un refrigerante al agua tipo emulsión.
3. En fluidos de corte que no sean al agua, reduzca la rotación en un 10 % – 20 %.

GUÍA OPERACIONAL

Amarre de la broca	Longitud de la broca	Instalación de la broca	Tolerancia de instalación
 Ajuste del tornillo La presión del tipo de tornillo amarra la broca con seguridad.	 $A > DC \times 1.5$	 No sujetar en las hélices.	 Descentramiento $\leq 0.03\text{mm}$
Tipos de refrigeración	Utilización del refrigerante	Pieza delgada	Corte interrumpido
 Refrigeración a través del husillo Refrigeración con máquina revolver La presión del refrigerante es aproximadamente 5 bar–70 bar	1) El polvo y las partículas de polvo que hay en el refrigerante viejo pueden obstruir el agujero para el aceite e impedir el flujo. Es recomendable cambiar regularmente el refrigerante. 2) Las pequeñas partículas de viruta atascarán el agujero para el aceite. Utilice un filtro como medida preventiva. Si utiliza brocas de pequeño diámetro, utilice un filtro de retícula fina.	 Si se produce un oblatamiento Sujetar la pieza	 Proceso ① Bajar el avance cuando taladramos partes en corte interrumpido. Se requiere mecanizar previamente ② Refrentar con fresa integral antes de taladrar.

EJEMPLO DE APLICACIÓN

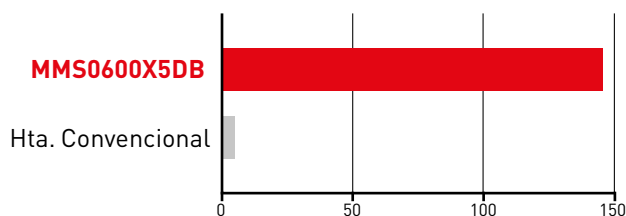
Broca		MMS0560X5DB		MMS0500X5DB		MMS0970X3DB	
Pieza de trabajo		Acero inoxidable austenítico JIS SUS304(200HB) Profundidad del agujero: 20 mm		PH acero inoxidable JIS SUS630 Profundidad del agujero: 30 mm		Acero inoxidable austenítico JIS SUS304L(200HB) Profundidad del agujero: 25.4 mm	
							
Componente		Implantes médicos		Hilera		Piezas de intercambio de calor	
Broca		MMS0560X5DB	Hta. Conventional	MMS0500X5DB	Hta. Conventional	MMS0970X3DB	Hta. Conventional
Condiciones de corte	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
Refrigeración		Emulsión					
Máquina		Centro de mecanizado					
VIDA ÚTIL DE LA HERRAMIENTA							
Resultados							
		AVANCE					
							

RENDIMIENTO DE CORTE

Las brocas MMS están diseñadas específicamente para el taladrado de aceros inoxidables, ofreciendo una larga vida útil de la herramienta.

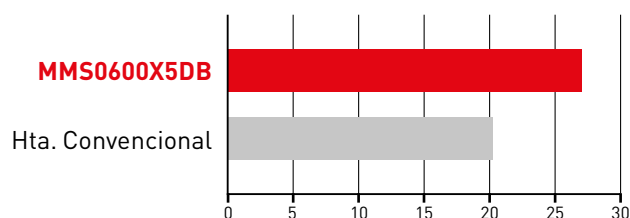
ACERO INOXIDABLE AUSTENÍTICO

Broca (mm)	Ø 6.0
Pieza de trabajo	JIS SUS316L
Profundidad del agujero (mm)	30 (L/D=5)
Vc (m/min)	90
f (mm/rev)	0.2
fr (mm/min)	955 (Sin parar)
Refrigeración	W.S.O
Presión de emisión	3 MPa
Máquina	Centro de mecanizado



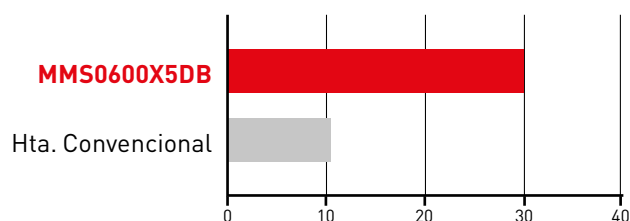
ACERO INOXIDABLE MARTENÍTICO

Broca (mm)	Ø6.0
Pieza de trabajo	JIS SUS420J2
Profundidad del agujero (mm)	30 (L/D=5)
Vc (m/min)	50
f (mm/rev)	0.13
fr (mm/min)	345 (Sin parar)
Refrigeración	W.S.O
Presión de emisión	3 MPa
Máquina	Centro de mecanizado



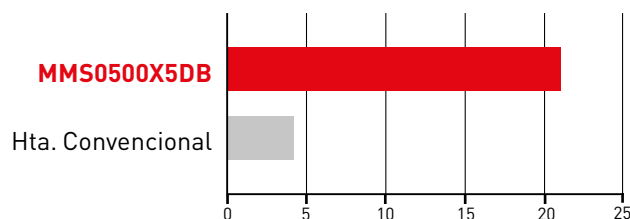
ACERO DÚPLEX

Broca (mm)	Ø6.0
Pieza de trabajo	JIS SUS329J1
Profundidad del agujero (mm)	30 (L/D=5)
Vc (m/min)	50
f (mm/rev)	0.13
fr (mm/min)	345 (Sin parar)
Refrigeración	W.S.O
Presión de emisión	3 MPa
Máquina	Centro de mecanizado



ACERO INOXIDABLE DE PH

Broca (mm)	Ø5.0
Pieza de trabajo	JIS SUS630
Profundidad del agujero (mm)	25 (L/D=5)
Vc (m/min)	50
f (mm/rev)	0.08
fr (mm/min)	255 (Sin parar)
Refrigeración	W.S.O
Presión de emisión	3 MPa
Máquina	Centro de mecanizado



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