

FORATURA (METALLO DURO)

MPS

Tipo a doppio margine

- Profondità foro l/d 3-40.
- MPS margine doppio per foratura precisa e affidabile.
- Di serie, fori passanti per il refrigerante in tutte le punte.



Acciaio al carbonio Acciaio legato	Acciaio temprato	Acciaio inossidabile	Ghisa	Lega leggera	Lega resistente al calore
++		++	++	+	+

		3 ≤ D ≤ 6	6 < D ≤ 10	10 < D ≤ 18	18 < D ≤ 20
Tolleranza D1 (mm)	Tipo DIN	+0.010 -0.002	+0.010 -0.005	+0.005 -0.013	+0.005 -0.016
	Altri	0 -0.012	0 -0.015	0 -0.018	0 -0.021
Tolleranza D4 (mm)		0 -0.008	0 -0.009	0 -0.011	0 -0.013

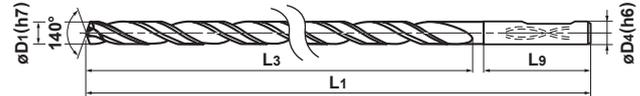


● Tipo 1 Codolo cilindrico



MPS---S/L-DIN-C (l/d 3-5)
MPS---L (l/d 8-40)

● Tipo 2 codolo Whistle Notch



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

Diam. Punta D1 (mm)	Profondità foro (l/d)	Disponibilità		Codice di ordinazione	Dimensioni (mm)				Tipo
		VP15TF			L1	L3	L9	D4	
3.0	3	●		MPS0300S-DIN	62	20	36	6	2
	3	●		MPS0300S-DIN-C	62	20	36	6	1
	5	●		MPS0300L-DIN	66	28	36	6	2
	5	●		MPS0300L-DIN-C	66	28	36	6	1
	8	●		MPS0300-L8C	74	34	36	6	1
	10	●		MPS0300-L10C	80	40	36	6	1
	12	●		MPS0300-L12C	86	46	36	6	1
	15	●		MPS0300-L15C	95	55	36	6	1
	20	●		MPS0300-L20C	110	70	36	6	1
	25	●		MPS0300-L25C	125	85	36	6	1
NEW	30	●		MPS0300-L30C	140	100	36	6	1
	35	□		MPS0300-L35C	159	116	36	6	1
40	●		MPS0300-L40C	174	131	36	6	1	
3.05	3	●		MPS0305S-DIN	62	20	36	6	2
	3	●		MPS0305S-DIN-C	62	20	36	6	1
	5	●		MPS0305L-DIN	66	28	36	6	2
	5	●		MPS0305L-DIN-C	66	28	36	6	1
3.1	3	●		MPS0310S-DIN	62	20	36	6	2
	3	●		MPS0310S-DIN-C	62	20	36	6	1
	5	●		MPS0310L-DIN	66	28	36	6	2
	5	●		MPS0310L-DIN-C	66	28	36	6	1
	8	●		MPS0310-L8C	80	40	36	6	1
	10	□		MPS0310-L10C	87	47	36	6	1
	12	●		MPS0310-L12C	94	54	36	6	1
	15	●		MPS0310-L15C	104	64	36	6	1
	20	□		MPS0310-L20C	122	82	36	6	1
	25	□		MPS0310-L25C	139	99	36	6	1
NEW	30	□		MPS0310-L30C	157	117	36	6	1
	35	□		MPS0310-L35C	176	126	36	6	1
40	□		MPS0310-L40C	191	141	36	6	1	
3.2	3	●		MPS0320S-DIN	62	20	36	6	2
	3	●		MPS0320S-DIN-C	62	20	36	6	1
	5	●		MPS0320L-DIN	66	28	36	6	2
	5	●		MPS0320L-DIN-C	66	28	36	6	1
	8	●		MPS0320-L8C	80	40	36	6	1
	10	□		MPS0320-L10C	87	47	36	6	1
	12	●		MPS0320-L12C	94	54	36	6	1
	15	●		MPS0320-L15C	104	64	36	6	1
	20	□		MPS0320-L20C	122	82	36	6	1
	25	□		MPS0320-L25C	139	99	36	6	1
30	□		MPS0320-L30C	157	117	36	6	1	

Diam. Punta D1 (mm)	Profondità foro (l/d)	Disponibilità		Codice di ordinazione	Dimensioni (mm)				Tipo
		VP15TF			L1	L3	L9	D4	
NEW	35	□		MPS0320-L35C	176	126	36	6	1
	40	□		MPS0320-L40C	191	141	36	6	1
3.3	3	●		MPS0330S-DIN	62	20	36	6	2
	3	●		MPS0330S-DIN-C	62	20	36	6	1
	5	●		MPS0330L-DIN	66	28	36	6	2
	5	●		MPS0330L-DIN-C	66	28	36	6	1
	8	●		MPS0330-L8C	80	40	36	6	1
	10	□		MPS0330-L10C	87	47	36	6	1
	12	●		MPS0330-L12C	94	54	36	6	1
	15	●		MPS0330-L15C	104	64	36	6	1
	20	□		MPS0330-L20C	122	82	36	6	1
	25	□		MPS0330-L25C	139	99	36	6	1
NEW	30	●		MPS0330-L30C	157	117	36	6	1
	35	□		MPS0330-L35C	176	135	36	6	1
40	□		MPS0330-L40C	191	151	36	6	1	
3.4	3	●		MPS0340S-DIN	62	20	36	6	2
	3	●		MPS0340S-DIN-C	62	20	36	6	1
	5	●		MPS0340L-DIN	66	28	36	6	2
	5	●		MPS0340L-DIN-C	66	28	36	6	1
	8	●		MPS0340-L8C	80	40	36	6	1
	10	□		MPS0340-L10C	87	47	36	6	1
	12	●		MPS0340-L12C	94	54	36	6	1
	15	●		MPS0340-L15C	104	64	36	6	1
	20	□		MPS0340-L20C	122	82	36	6	1
	25	□		MPS0340-L25C	139	99	36	6	1
NEW	30	□		MPS0340-L30C	157	117	36	6	1
	35	□		MPS0340-L35C	176	135	36	6	1
40	□		MPS0340-L40C	191	151	36	6	1	
3.5	3	●		MPS0350S-DIN	62	20	36	6	2
	3	●		MPS0350S-DIN-C	62	20	36	6	1
	5	●		MPS0350L-DIN	66	28	36	6	2
	5	●		MPS0350L-DIN-C	66	28	36	6	1
	8	●		MPS0350-L8C	80	40	36	6	1
	10	□		MPS0350-L10C	87	47	36	6	1
	12	●		MPS0350-L12C	94	54	36	6	1
	15	●		MPS0350-L15C	104	64	36	6	1
	20	●		MPS0350-L20C	122	82	36	6	1
	25	□		MPS0350-L25C	139	99	36	6	1
NEW	30	□		MPS0350-L30C	157	117	36	6	1
	35	□		MPS0350-L35C	176	135	36	6	1
40	●		MPS0350-L40C	191	151	36	6	1	

● : Inventario mantenuto. □ : Non a magazzino, prodotti solo su ordinazione.

Diam. Punta D1 (mm)	Profondità foro (l/d)	Disponibilità		Codice di ordinazione	Dimensioni (mm)				Tipo
		VP15TF			L1	L3	L9	D4	
3.6	3	●		MPS0360S-DIN	62	20	36	6	2
	3	●		MPS0360S-DIN-C	62	20	36	6	1
	5	●		MPS0360L-DIN	66	28	36	6	2
	5	●		MPS0360L-DIN-C	66	28	36	6	1
	8	●		MPS0360-L8C	85	45	36	6	1
	10	□		MPS0360-L10C	93	53	36	6	1
	12	●		MPS0360-L12C	101	61	36	6	1
	15	●		MPS0360-L15C	113	73	36	6	1
	20	□		MPS0360-L20C	133	93	36	6	1
	25	□		MPS0360-L25C	153	113	36	6	1
	30	□		MPS0360-L30C	173	133	36	6	1
	35	□		MPS0360-L35C	193	146	36	6	1
40	□		MPS0360-L40C	213	163	36	6	1	
3.7	3	●		MPS0370S-DIN	62	20	36	6	2
	3	●		MPS0370S-DIN-C	62	20	36	6	1
	5	●		MPS0370L-DIN	66	28	36	6	2
	5	●		MPS0370L-DIN-C	66	28	36	6	1
	8	●		MPS0370-L8C	85	45	36	6	1
	10	□		MPS0370-L10C	93	53	36	6	1
	12	●		MPS0370-L12C	101	61	36	6	1
	15	●		MPS0370-L15C	113	73	36	6	1
	20	□		MPS0370-L20C	133	93	36	6	1
	25	□		MPS0370-L25C	153	113	36	6	1
	30	□		MPS0370-L30C	173	133	36	6	1
	35	□		MPS0370-L35C	193	146	36	6	1
40	□		MPS0370-L40C	213	163	36	6	1	
3.8	3	●		MPS0380S-DIN	66	24	36	6	2
	3	●		MPS0380S-DIN-C	66	24	36	6	1
	5	●		MPS0380L-DIN	74	36	36	6	2
	5	●		MPS0380L-DIN-C	74	36	36	6	1
	8	●		MPS0380-L8C	85	45	36	6	1
	10	□		MPS0380-L10C	93	53	36	6	1
	12	●		MPS0380-L12C	101	61	36	6	1
	15	●		MPS0380-L15C	113	73	36	6	1
	20	□		MPS0380-L20C	133	93	36	6	1
	25	□		MPS0380-L25C	153	113	36	6	1
	30	□		MPS0380-L30C	173	133	36	6	1
	35	□		MPS0380-L35C	193	153	36	6	1
40	□		MPS0380-L40C	213	173	36	6	1	
3.9	3	●		MPS0390S-DIN	66	24	36	6	2
	3	●		MPS0390S-DIN-C	66	24	36	6	1
	5	●		MPS0390L-DIN	74	36	36	6	2
	5	●		MPS0390L-DIN-C	74	36	36	6	1
	8	●		MPS0390-L8C	85	45	36	6	1
	10	□		MPS0390-L10C	93	53	36	6	1
	12	●		MPS0390-L12C	101	61	36	6	1
	15	●		MPS0390-L15C	113	73	36	6	1
	20	□		MPS0390-L20C	133	93	36	6	1
	25	□		MPS0390-L25C	153	113	36	6	1
	30	□		MPS0390-L30C	173	133	36	6	1
	35	□		MPS0390-L35C	193	153	36	6	1
40	□		MPS0390-L40C	213	173	36	6	1	
4.0	3	●		MPS0400S-DIN	66	24	36	6	2
	3	●		MPS0400S-DIN-C	66	24	36	6	1

Diam. Punta D1 (mm)	Profondità foro (l/d)	Disponibilità		Codice di ordinazione	Dimensioni (mm)				Tipo
		VP15TF			L1	L3	L9	D4	
4.0	5	●		MPS0400L-DIN	74	36	36	6	2
	5	●		MPS0400L-DIN-C	74	36	36	6	1
	8	●		MPS0400-L8C	85	45	36	6	1
	10	●		MPS0400-L10C	93	53	36	6	1
	12	●		MPS0400-L12C	101	61	36	6	1
	15	●		MPS0400-L15C	113	73	36	6	1
	20	●		MPS0400-L20C	133	93	36	6	1
	25	●		MPS0400-L25C	153	113	36	6	1
	30	●		MPS0400-L30C	173	133	36	6	1
	35	□		MPS0400-L35C	193	153	36	6	1
	40	●		MPS0400-L40C	213	173	36	6	1
	4.05	3	●		MPS0405S-DIN	66	24	36	6
3		●		MPS0405S-DIN-C	66	24	36	6	1
5		●		MPS0405L-DIN	74	36	36	6	2
5		●		MPS0405L-DIN-C	74	36	36	6	1
4.1	3	●		MPS0410S-DIN	66	24	36	6	2
	3	●		MPS0410S-DIN-C	66	24	36	6	1
	5	●		MPS0410L-DIN	74	36	36	6	2
	5	●		MPS0410L-DIN-C	74	36	36	6	1
	8	●		MPS0410-L8C	91	51	36	6	1
	10	□		MPS0410-L10C	100	60	36	6	1
	12	●		MPS0410-L12C	109	69	36	6	1
	15	●		MPS0410-L15C	122	82	36	6	1
	20	□		MPS0410-L20C	145	105	36	6	1
	25	□		MPS0410-L25C	167	127	36	6	1
	30	□		MPS0410-L30C	190	150	36	6	1
	35	□		MPS0410-L35C	212	166	36	6	1
40	□		MPS0410-L40C	236	186	36	6	1	
4.2	3	●		MPS0420S-DIN	66	24	36	6	2
	3	●		MPS0420S-DIN-C	66	24	36	6	1
	5	●		MPS0420L-DIN	74	36	36	6	2
	5	●		MPS0420L-DIN-C	74	36	36	6	1
	8	●		MPS0420-L8C	91	51	36	6	1
	10	□		MPS0420-L10C	100	60	36	6	1
	12	●		MPS0420-L12C	109	69	36	6	1
	15	●		MPS0420-L15C	122	82	36	6	1
	20	□		MPS0420-L20C	145	105	36	6	1
	25	□		MPS0420-L25C	167	127	36	6	1
	30	□		MPS0420-L30C	190	150	36	6	1
	35	●		MPS0420-L35C	212	166	36	6	1
40	●		MPS0420-L40C	236	186	36	6	1	
4.3	3	●		MPS0430S-DIN	66	24	36	6	2
	3	●		MPS0430S-DIN-C	66	24	36	6	1
	5	●		MPS0430L-DIN	74	36	36	6	2
	5	●		MPS0430L-DIN-C	74	36	36	6	1
	8	●		MPS0430-L8C	91	51	36	6	1
	10	□		MPS0430-L10C	100	60	36	6	1
	12	●		MPS0430-L12C	109	69	36	6	1
	15	●		MPS0430-L15C	122	82	36	6	1
	20	□		MPS0430-L20C	145	105	36	6	1
	25	□		MPS0430-L25C	167	127	36	6	1
	30	□		MPS0430-L30C	190	150	36	6	1
	35	□		MPS0430-L35C	212	172	36	6	1
40	□		MPS0430-L40C	236	196	36	6	1	



FORATURA (METALLO DURO)

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Typo a doppio margine

- Profondità foro l/d 3-40.
- MPS margine doppio per foratura precisa e affidabile.
- Di serie, fori passanti per il refrigerante in tutte le punte.



Acciaio al carbonio Acciaio legato	Acciaio temprato	Acciaio inossidabile	Ghisa	Lega leggera	Lega resistente al calore
++		++	++	+	+

		3 ≤ D ≤ 6	6 < D ≤ 10	10 < D ≤ 18	18 < D ≤ 20
Tolleranza D1 (mm)	Typo DIN	+0.010 -0.002	+0.010 -0.005	+0.005 -0.013	+0.005 -0.016
	Altri	0 -0.012	0 -0.015	0 -0.018	0 -0.021
Tolleranza D4 (mm)		0 -0.008	0 -0.009	0 -0.011	0 -0.013

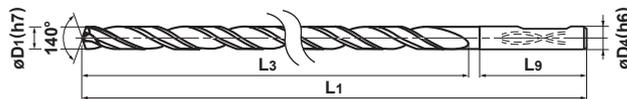


● Tipo 1 Codolo cilindrico



MPS---S/L-DIN-C (l/d 3-5)
MPS---L (l/d 8-40)

● Tipo 2 codolo Whistle Notch



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

Diam. Punta D1 (mm)	Profondità foro (l/d)	Disponibilità		Codice di ordinazione	Dimensioni (mm)				Tipo
		VP15TF			L1	L3	L9	D4	
4.4	3	●		MPS0440S-DIN	66	24	36	6	2
	3	●		MPS0440S-DIN-C	66	24	36	6	1
	5	●		MPS0440L-DIN	74	36	36	6	2
	5	●		MPS0440L-DIN-C	74	36	36	6	1
	8	●		MPS0440-L8C	91	51	36	6	1
	10	□		MPS0440-L10C	100	60	36	6	1
	12	●		MPS0440-L12C	109	69	36	6	1
	15	●		MPS0440-L15C	122	82	36	6	1
	20	□		MPS0440-L20C	145	105	36	6	1
	25	□		MPS0440-L25C	167	127	36	6	1
4.5	30	□		MPS0440-L30C	190	150	36	6	1
	35	□		MPS0440-L35C	212	172	36	6	1
	40	□		MPS0440-L40C	236	196	36	6	1
	3	●		MPS0450S-DIN	66	24	36	6	2
	3	●		MPS0450S-DIN-C	66	24	36	6	1
	5	●		MPS0450L-DIN	74	36	36	6	2
	5	●		MPS0450L-DIN-C	74	36	36	6	1
	8	●		MPS0450-L8C	91	51	36	6	1
	10	□		MPS0450-L10C	100	60	36	6	1
	12	●		MPS0450-L12C	109	69	36	6	1
4.6	15	●		MPS0450-L15C	122	82	36	6	1
	20	□		MPS0450-L20C	145	105	36	6	1
	25	□		MPS0450-L25C	167	127	36	6	1
	30	□		MPS0450-L30C	190	150	36	6	1
	35	□		MPS0450-L35C	212	172	36	6	1
	40	●		MPS0450-L40C	236	196	36	6	1
	3	●		MPS0460S-DIN	66	24	36	6	2
	3	●		MPS0460S-DIN-C	66	24	36	6	1
	5	●		MPS0460L-DIN	74	36	36	6	2
	5	●		MPS0460L-DIN-C	74	36	36	6	1
4.65	8	●		MPS0460-L8C	96	55	36	6	1
	10	□		MPS0460-L10C	106	66	36	6	1
	12	●		MPS0460-L12C	116	76	36	6	1
	15	●		MPS0460-L15C	131	91	36	6	1
	20	□		MPS0460-L20C	156	116	36	6	1
	25	□		MPS0460-L25C	181	141	36	6	1
	30	□		MPS0460-L30C	206	166	36	6	1
	35	□		MPS0460-L35C	230	185	36	6	1
	40	□		MPS0460-L40C	255	205	36	6	1
	3	●		MPS0465S-DIN	66	24	36	6	2
3	●		MPS0465S-DIN-C	66	24	36	6	1	

Diam. Punta D1 (mm)	Profondità foro (l/d)	Disponibilità		Codice di ordinazione	Dimensioni (mm)				Tipo
		VP15TF			L1	L3	L9	D4	
4.65	5	●		MPS0465L-DIN	74	36	36	6	2
	5	●		MPS0465L-DIN-C	74	36	36	6	1
4.7	3	●		MPS0470S-DIN	66	24	36	6	2
	3	●		MPS0470S-DIN-C	66	24	36	6	1
	5	●		MPS0470L-DIN	74	36	36	6	2
	5	●		MPS0470L-DIN-C	74	36	36	6	1
	8	●		MPS0470-L8C	96	55	36	6	1
	10	□		MPS0470-L10C	106	66	36	6	1
	12	●		MPS0470-L12C	116	76	36	6	1
	15	●		MPS0470-L15C	131	91	36	6	1
	20	□		MPS0470-L20C	156	116	36	6	1
	25	□		MPS0470-L25C	181	141	36	6	1
4.7	30	□		MPS0470-L30C	206	166	36	6	1
	35	□		MPS0470-L35C	230	185	36	6	1
	40	□		MPS0470-L40C	255	205	36	6	1
	3	●		MPS0480S-DIN	66	28	36	6	2
4.8	3	●		MPS0480S-DIN-C	66	28	36	6	1
	5	●		MPS0480L-DIN	82	44	36	6	2
	5	●		MPS0480L-DIN-C	82	44	36	6	1
	8	●		MPS0480-L8C	96	55	36	6	1
	10	□		MPS0480-L10C	106	66	36	6	1
	12	●		MPS0480-L12C	116	76	36	6	1
	15	●		MPS0480-L15C	131	91	36	6	1
	20	□		MPS0480-L20C	156	116	36	6	1
	25	□		MPS0480-L25C	181	141	36	6	1
	30	□		MPS0480-L30C	206	166	36	6	1
4.8	35	□		MPS0480-L35C	230	191	36	6	1
	40	□		MPS0480-L40C	255	216	36	6	1
	3	●		MPS0490S-DIN	66	28	36	6	2
	3	●		MPS0490S-DIN-C	66	28	36	6	1
4.9	5	●		MPS0490L-DIN	82	44	36	6	2
	5	●		MPS0490L-DIN-C	82	44	36	6	1
	8	●		MPS0490-L8C	96	55	36	6	1
	10	□		MPS0490-L10C	106	66	36	6	1
	12	●		MPS0490-L12C	116	76	36	6	1
	15	●		MPS0490-L15C	131	91	36	6	1
	20	□		MPS0490-L20C	156	116	36	6	1
	25	□		MPS0490-L25C	181	141	36	6	1
	30	□		MPS0490-L30C	206	166	36	6	1
	35	□		MPS0490-L35C	230	191	36	6	1
40	□		MPS0490-L40C	255	216	36	6	1	

● : Inventario mantenuto. □ : Non a magazzino, prodotti solo su ordinazione.

Diam. Punta D1 (mm)	Profondità foro (l/d)	Disponibilità		Codice di ordinazione	Dimensioni (mm)				Tipo
		VP15TF			L1	L3	L9	D4	
5.0	3	●		MPS0500S-DIN	66	28	36	6	2
	3	●		MPS0500S-DIN-C	66	28	36	6	1
	5	●		MPS0500L-DIN	82	44	36	6	2
	5	●		MPS0500L-DIN-C	82	44	36	6	1
	8	●		MPS0500-L8C	96	55	36	6	1
	10	●		MPS0500-L10C	106	66	36	6	1
	12	●		MPS0500-L12C	116	76	36	6	1
	15	●		MPS0500-L15C	131	91	36	6	1
	20	●		MPS0500-L20C	156	116	36	6	1
	25	●		MPS0500-L25C	181	141	36	6	1
	30	●		MPS0500-L30C	206	166	36	6	1
	35	□		MPS0500-L35C	230	191	36	6	1
40	●		MPS0500-L40C	255	216	36	6	1	
5.05	3	●		MPS0505S-DIN	66	28	36	6	2
	3	●		MPS0505S-DIN-C	66	28	36	6	1
	5	●		MPS0505L-DIN	82	44	36	6	2
	5	●		MPS0505L-DIN-C	82	44	36	6	1
5.1	3	●		MPS0510S-DIN	66	28	36	6	2
	3	●		MPS0510S-DIN-C	66	28	36	6	1
	5	●		MPS0510L-DIN	82	44	36	6	2
	5	●		MPS0510L-DIN-C	82	44	36	6	1
	8	●		MPS0510-L8C	102	62	36	6	1
	10	□		MPS0510-L10C	113	73	36	6	1
	12	●		MPS0510-L12C	124	84	36	6	1
	15	●		MPS0510-L15C	140	100	36	6	1
	20	□		MPS0510-L20C	168	128	36	6	1
	25	□		MPS0510-L25C	195	155	36	6	1
	30	□		MPS0510-L30C	223	183	36	6	1
	35	□		MPS0510-L35C	249	204	36	6	1
40	□		MPS0510-L40C	279	231	36	6	1	
5.2	3	●		MPS0520S-DIN	66	28	36	6	2
	3	●		MPS0520S-DIN-C	66	28	36	6	1
	5	●		MPS0520L-DIN	82	44	36	6	2
	5	●		MPS0520L-DIN-C	82	44	36	6	1
	8	●		MPS0520-L8C	102	62	36	6	1
	10	□		MPS0520-L10C	113	73	36	6	1
	12	●		MPS0520-L12C	124	84	36	6	1
	15	●		MPS0520-L15C	140	100	36	6	1
	20	□		MPS0520-L20C	168	128	36	6	1
	25	□		MPS0520-L25C	195	155	36	6	1
	30	□		MPS0520-L30C	223	183	36	6	1
	35	□		MPS0520-L35C	249	204	36	6	1
40	□		MPS0520-L40C	279	231	36	6	1	
5.3	3	●		MPS0530S-DIN	66	28	36	6	2
	3	●		MPS0530S-DIN-C	66	28	36	6	1
	5	●		MPS0530L-DIN	82	44	36	6	2
	5	●		MPS0530L-DIN-C	82	44	36	6	1
	8	●		MPS0530-L8C	102	62	36	6	1
	10	□		MPS0530-L10C	113	73	36	6	1
	12	●		MPS0530-L12C	124	84	36	6	1
	15	●		MPS0530-L15C	140	100	36	6	1
	20	□		MPS0530-L20C	168	128	36	6	1
	25	□		MPS0530-L25C	195	155	36	6	1
	30	□		MPS0530-L30C	223	183	36	6	1
	35	□		MPS0530-L35C	249	210	36	6	1
40	□		MPS0530-L40C	279	241	36	6	1	

Diam. Punta D1 (mm)	Profondità foro (l/d)	Disponibilità		Codice di ordinazione	Dimensioni (mm)				Tipo
		VP15TF			L1	L3	L9	D4	
5.4	3	●		MPS0540S-DIN	66	28	36	6	2
	3	●		MPS0540S-DIN-C	66	28	36	6	1
	5	●		MPS0540L-DIN	82	44	36	6	2
	5	●		MPS0540L-DIN-C	82	44	36	6	1
	8	●		MPS0540-L8C	102	62	36	6	1
	10	□		MPS0540-L10C	113	73	36	6	1
	12	●		MPS0540-L12C	124	84	36	6	1
	15	●		MPS0540-L15C	140	100	36	6	1
	20	□		MPS0540-L20C	168	128	36	6	1
	25	□		MPS0540-L25C	195	155	36	6	1
	30	□		MPS0540-L30C	223	183	36	6	1
	35	□		MPS0540-L35C	249	210	36	6	1
40	□		MPS0540-L40C	279	241	36	6	1	
5.5	3	●		MPS0550S-DIN	66	28	36	6	2
	3	●		MPS0550S-DIN-C	66	28	36	6	1
	5	●		MPS0550L-DIN	82	44	36	6	2
	5	●		MPS0550L-DIN-C	82	44	36	6	1
	8	●		MPS0550-L8C	102	62	36	6	1
	10	□		MPS0550-L10C	113	73	36	6	1
	12	●		MPS0550-L12C	124	84	36	6	1
	15	●		MPS0550-L15C	140	100	36	6	1
	20	□		MPS0550-L20C	168	128	36	6	1
	25	□		MPS0550-L25C	195	155	36	6	1
	30	□		MPS0550-L30C	223	183	36	6	1
	35	□		MPS0550-L35C	249	210	36	6	1
40	●		MPS0550-L40C	279	241	36	6	1	
5.55	3	●		MPS0555S-DIN	66	28	36	6	2
	3	●		MPS0555S-DIN-C	66	28	36	6	1
	5	●		MPS0555L-DIN	82	44	36	6	2
	5	●		MPS0555L-DIN-C	82	44	36	6	1
5.6	3	●		MPS0560S-DIN	66	28	36	6	2
	3	●		MPS0560S-DIN-C	66	28	36	6	1
	5	●		MPS0560L-DIN	82	44	36	6	2
	5	●		MPS0560L-DIN-C	82	44	36	6	1
	8	●		MPS0560-L8C	107	67	36	6	1
	10	□		MPS0560-L10C	119	79	36	6	1
	12	●		MPS0560-L12C	131	91	36	6	1
	15	●		MPS0560-L15C	149	109	36	6	1
	20	□		MPS0560-L20C	179	139	36	6	1
	25	□		MPS0560-L25C	209	169	36	6	1
	30	□		MPS0560-L30C	239	199	36	6	1
	35	□		MPS0560-L35C	268	223	36	6	1
40	□		MPS0560-L40C	299	251	36	6	1	
5.7	3	●		MPS0570S-DIN	66	28	36	6	2
	3	●		MPS0570S-DIN-C	66	28	36	6	1
	5	●		MPS0570L-DIN	82	44	36	6	2
	5	●		MPS0570L-DIN-C	82	44	36	6	1
	8	●		MPS0570-L8C	107	67	36	6	1
	10	□		MPS0570-L10C	119	79	36	6	1
	12	●		MPS0570-L12C	131	91	36	6	1
	15	●		MPS0570-L15C	149	109	36	6	1
	20	□		MPS0570-L20C	179	139	36	6	1
	25	□		MPS0570-L25C	209	169	36	6	1
	30	□		MPS0570-L30C	239	199	36	6	1
	35	□		MPS0570-L35C	268	223	36	6	1
40	□		MPS0570-L40C	299	251	36	6	1	



FORATURA (METALLO DURO)

MPS

Typo a doppio margine

- Profondità foro l/d 3-40.
- MPS margine doppio per foratura precisa e affidabile.
- Di serie, fori passanti per il refrigerante in tutte le punte.



Acciaio al carbonio Acciaio legato	Acciaio temprato	Acciaio inossidabile	Ghisa	Lega leggera	Lega resistente al calore
++		++	++	+	+

		3 ≤ D ≤ 6	6 < D ≤ 10	10 < D ≤ 18	18 < D ≤ 20
Tolleranza D ₁ (mm)	Typo DIN	+0.010 -0.002	+0.010 -0.005	+0.005 -0.013	+0.005 -0.016
	Altri	0 -0.012	0 -0.015	0 -0.018	0 -0.021
Tolleranza D ₄ (mm)		0 -0.008	0 -0.009	0 -0.011	0 -0.013

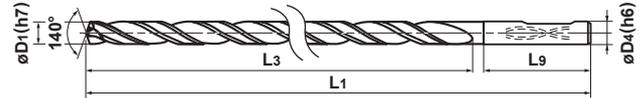


● Tipo 1 Codolo cilindrico



MPS---S/L-DIN-C (l/d 3-5)
MPS---L (l/d 8-40)

● Tipo 2 codolo Whistle Notch



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

Diam. Punta D ₁ (mm)	Profondità foro (l/d)	Disponibilità		Codice di ordinazione	Dimensioni (mm)				Tipo
		VP15TF			L ₁	L ₃	L ₉	D ₄	
5.8	3	●		MPS0580S-DIN	66	28	36	6	2
	3	●		MPS0580S-DIN-C	66	28	36	6	1
	5	●		MPS0580L-DIN	82	44	36	6	2
	5	●		MPS0580L-DIN-C	82	44	36	6	1
	8	●		MPS0580-L8C	107	67	36	6	1
	10	□		MPS0580-L10C	119	79	36	6	1
	12	●		MPS0580-L12C	131	91	36	6	1
	15	●		MPS0580-L15C	149	109	36	6	1
	20	□		MPS0580-L20C	179	139	36	6	1
	25	□		MPS0580-L25C	209	169	36	6	1
	30	□		MPS0580-L30C	239	199	36	6	1
	35	□		MPS0580-L35C	268	229	36	6	1
40	□		MPS0580-L40C	299	261	36	6	1	
5.9	3	●		MPS0590S-DIN	66	28	36	6	2
	3	●		MPS0590S-DIN-C	66	28	36	6	1
	5	●		MPS0590L-DIN	82	44	36	6	2
	5	●		MPS0590L-DIN-C	82	44	36	6	1
	8	●		MPS0590-L8C	107	67	36	6	1
	10	□		MPS0590-L10C	119	79	36	6	1
	12	●		MPS0590-L12C	131	91	36	6	1
	15	●		MPS0590-L15C	149	109	36	6	1
	20	□		MPS0590-L20C	179	139	36	6	1
	25	□		MPS0590-L25C	209	169	36	6	1
	30	□		MPS0590-L30C	239	199	36	6	1
	35	□		MPS0590-L35C	268	229	36	6	1
40	□		MPS0590-L40C	299	261	36	6	1	
6.0	3	●		MPS0600S-DIN	66	28	36	6	2
	3	●		MPS0600S-DIN-C	66	28	36	6	1
	5	●		MPS0600L-DIN	82	44	36	6	2
	5	●		MPS0600L-DIN-C	82	44	36	6	1
	8	●		MPS0600-L8C	107	67	36	6	1
	10	●		MPS0600-L10C	119	79	36	6	1
	12	●		MPS0600-L12C	131	91	36	6	1
	15	●		MPS0600-L15C	149	109	36	6	1
	20	●		MPS0600-L20C	179	139	36	6	1
	25	●		MPS0600-L25C	209	169	36	6	1
	30	●		MPS0600-L30C	239	199	36	6	1
	35	□		MPS0600-L35C	268	229	36	6	1
40	●		MPS0600-L40C	299	261	36	6	1	
6.05	3	●		MPS0605S-DIN	79	34	36	8	2
	3	●		MPS0605S-DIN-C	79	34	36	8	1

Diam. Punta D ₁ (mm)	Profondità foro (l/d)	Disponibilità		Codice di ordinazione	Dimensioni (mm)				Tipo
		VP15TF			L ₁	L ₃	L ₉	D ₄	
6.05	5	●		MPS0605L-DIN	91	53	36	8	2
	5	●		MPS0605L-DIN-C	91	53	36	8	1
6.1	3	●		MPS0610S-DIN	79	34	36	8	2
	3	●		MPS0610S-DIN-C	79	34	36	8	1
	5	●		MPS0610L-DIN	91	53	36	8	2
	5	●		MPS0610L-DIN-C	91	53	36	8	1
	8	●		MPS0610-L8C	113	73	36	8	1
	10	□		MPS0610-L10C	126	86	36	8	1
	12	●		MPS0610-L12C	139	99	36	8	1
	15	●		MPS0610-L15C	158	118	36	8	1
	20	□		MPS0610-L20C	191	151	36	8	1
	25	□		MPS0610-L25C	223	183	36	8	1
	30	□		MPS0610-L30C	256	216	36	8	1
	35	□		MPS0610-L35C	287	241	36	8	1
40	□		MPS0610-L40C	321	271	36	8	1	
6.2	3	●		MPS0620S-DIN	79	34	36	8	2
	3	●		MPS0620S-DIN-C	79	34	36	8	1
	5	●		MPS0620L-DIN	91	53	36	8	2
	5	●		MPS0620L-DIN-C	91	53	36	8	1
	8	●		MPS0620-L8C	113	76	36	8	1
	10	□		MPS0620-L10C	126	86	36	8	1
	12	●		MPS0620-L12C	139	99	36	8	1
	15	●		MPS0620-L15C	158	118	36	8	1
	20	□		MPS0620-L20C	191	151	36	8	1
	25	□		MPS0620-L25C	223	183	36	8	1
	30	□		MPS0620-L30C	256	216	36	8	1
	35	□		MPS0620-L35C	287	241	36	8	1
40	□		MPS0620-L40C	321	271	36	8	1	
6.3	3	●		MPS0630S-DIN	79	34	36	8	2
	3	●		MPS0630S-DIN-C	79	34	36	8	1
	5	●		MPS0630L-DIN	91	53	36	8	2
	5	●		MPS0630L-DIN-C	91	53	36	8	1
	8	●		MPS0630-L8C	113	73	36	8	1
	10	□		MPS0630-L10C	126	86	36	8	1
	12	●		MPS0630-L12C	139	99	36	8	1
	15	●		MPS0630-L15C	158	118	36	8	1
	20	□		MPS0630-L20C	191	151	36	8	1
	25	□		MPS0630-L25C	223	183	36	8	1
	30	□		MPS0630-L30C	256	216	36	8	1
	35	□		MPS0630-L35C	287	248	36	8	1
40	□		MPS0630-L40C	321	281	36	8	1	

● : Inventario mantenuto. □ : Non a magazzino, prodotti solo su ordinazione.

Diam. Punta D1 (mm)	Profondità foro (l/d)	Disponibilità		Codice di ordinazione	Dimensioni (mm)				Tipo
		VP15TF			L1	L3	L9	D4	
6.4	3	●		MPS0640S-DIN	79	34	36	8	2
	3	●		MPS0640S-DIN-C	79	34	36	8	1
	5	●		MPS0640L-DIN	91	53	36	8	2
	5	●		MPS0640L-DIN-C	91	53	36	8	1
	8	●		MPS0640-L8C	113	73	36	8	1
	10	□		MPS0640-L10C	126	86	36	8	1
	12	●		MPS0640-L12C	139	99	36	8	1
	15	●		MPS0640-L15C	158	118	36	8	1
	20	□		MPS0640-L20C	191	151	36	8	1
	25	□		MPS0640-L25C	223	183	36	8	1
	30	□		MPS0640-L30C	256	216	36	8	1
	NEW 35	□		MPS0640-L35C	287	248	36	8	1
40	□		MPS0640-L40C	321	281	36	8	1	
6.5	3	●		MPS0650S-DIN	79	34	36	8	2
	3	●		MPS0650S-DIN-C	79	34	36	8	1
	5	●		MPS0650L-DIN	91	53	36	8	2
	5	●		MPS0650L-DIN-C	91	53	36	8	1
	8	●		MPS0650-L8C	113	73	36	8	1
	10	□		MPS0650-L10C	126	86	36	8	1
	12	●		MPS0650-L12C	139	99	36	8	1
	15	●		MPS0650-L15C	158	118	36	8	1
	20	□		MPS0650-L20C	191	151	36	8	1
	25	□		MPS0650-L25C	223	183	36	8	1
	30	□		MPS0650-L30C	256	216	36	8	1
	NEW 35	□		MPS0650-L35C	287	248	36	8	1
40	●		MPS0650-L40C	321	281	36	8	1	
6.6	3	●		MPS0660S-DIN	79	34	36	8	2
	3	●		MPS0660S-DIN-C	79	34	36	8	1
	5	●		MPS0660L-DIN	91	53	36	8	2
	5	●		MPS0660L-DIN-C	91	53	36	8	1
	8	●		MPS0660-L8C	118	78	36	8	1
	10	□		MPS0660-L10C	132	92	36	8	1
	12	●		MPS0660-L12C	146	106	36	8	1
	15	●		MPS0660-L15C	167	127	36	8	1
	20	□		MPS0660-L20C	202	162	36	8	1
	25	□		MPS0660-L25C	237	197	36	8	1
	30	□		MPS0660-L30C	272	232	36	8	1
	NEW 35	□		MPS0660-L35C	306	267	36	8	1
40	□		MPS0660-L40C	341	301	36	8	1	
6.7	3	●		MPS0670S-DIN	79	34	36	8	2
	3	●		MPS0670S-DIN-C	79	34	36	8	1
	5	●		MPS0670L-DIN	91	53	36	8	2
	5	●		MPS0670L-DIN-C	91	53	36	8	1
	8	●		MPS0670-L8C	118	78	36	8	1
	10	□		MPS0670-L10C	132	92	36	8	1
	12	●		MPS0670-L12C	146	106	36	8	1
	15	●		MPS0670-L15C	167	127	36	8	1
	20	□		MPS0670-L20C	202	162	36	8	1
	25	□		MPS0670-L25C	237	197	36	8	1
	30	□		MPS0670-L30C	272	232	36	8	1
	NEW 35	□		MPS0670-L35C	306	267	36	8	1
40	□		MPS0670-L40C	341	301	36	8	1	

Diam. Punta D1 (mm)	Profondità foro (l/d)	Disponibilità		Codice di ordinazione	Dimensioni (mm)				Tipo
		VP15TF			L1	L3	L9	D4	
6.8	3	●		MPS0680S-DIN	79	34	36	8	2
	3	●		MPS0680S-DIN-C	79	34	36	8	1
	5	●		MPS0680L-DIN	91	53	36	8	2
	5	●		MPS0680L-DIN-C	91	53	36	8	1
	8	●		MPS0680-L8C	118	78	36	8	1
	10	□		MPS0680-L10C	132	92	36	8	1
	12	●		MPS0680-L12C	146	106	36	8	1
	15	●		MPS0680-L15C	167	127	36	8	1
	20	□		MPS0680-L20C	202	162	36	8	1
	25	□		MPS0680-L25C	237	197	36	8	1
	30	□		MPS0680-L30C	272	232	36	8	1
	NEW 35	□		MPS0680-L35C	306	267	36	8	1
40	●		MPS0680-L40C	341	301	36	8	1	
6.9	3	●		MPS0690S-DIN	79	34	36	8	2
	3	●		MPS0690S-DIN-C	79	34	36	8	1
	5	●		MPS0690L-DIN	91	53	36	8	2
	5	●		MPS0690L-DIN-C	91	53	36	8	1
	8	●		MPS0690-L8C	118	78	36	8	1
	10	□		MPS0690-L10C	132	92	36	8	1
	12	●		MPS0690-L12C	146	106	36	8	1
	15	●		MPS0690-L15C	167	127	36	8	1
	20	□		MPS0690-L20C	202	162	36	8	1
	25	□		MPS0690-L25C	237	197	36	8	1
	30	□		MPS0690-L30C	272	232	36	8	1
	NEW 35	□		MPS0690-L35C	306	267	36	8	1
40	□		MPS0690-L40C	341	301	36	8	1	
7.0	3	●		MPS0700S-DIN	79	34	36	8	2
	3	●		MPS0700S-DIN-C	79	34	36	8	1
	5	●		MPS0700L-DIN	91	53	36	8	2
	5	●		MPS0700L-DIN-C	91	53	36	8	1
	8	●		MPS0700-L8C	118	78	36	8	1
	10	●		MPS0700-L10C	132	92	36	8	1
	12	●		MPS0700-L12C	146	106	36	8	1
	15	●		MPS0700-L15C	167	127	36	8	1
	20	●		MPS0700-L20C	202	162	36	8	1
	25	□		MPS0700-L25C	237	197	36	8	1
	30	●		MPS0700-L30C	272	232	36	8	1
	NEW 35	□		MPS0700-L35C	306	267	36	8	1
40	●		MPS0700-L40C	341	301	36	8	1	
7.1	3	●		MPS0710S-DIN	79	41	36	8	2
	3	●		MPS0710S-DIN-C	79	41	36	8	1
	5	●		MPS0710L-DIN	91	53	36	8	2
	5	●		MPS0710L-DIN-C	91	53	36	8	1
	8	●		MPS0710-L8C	124	84	36	8	1
	10	□		MPS0710-L10C	139	99	36	8	1
	12	●		MPS0710-L12C	154	114	36	8	1
	15	●		MPS0710-L15C	176	136	36	8	1
	20	□		MPS0710-L20C	214	174	36	8	1
	25	□		MPS0710-L25C	251	211	36	8	1
	30	□		MPS0710-L30C	289	249	36	8	1
	NEW 35	□		MPS0710-L35C	325	286	36	8	1
40	□		MPS0710-L40C	360	321	36	8	1	



FORATURA (METALLO DURO)

MPS

Typo a doppio margine

- Profondità foro l/d 3-40.
- MPS margine doppio per foratura precisa e affidabile.
- Di serie, fori passanti per il refrigerante in tutte le punte.



Acciaio al carbonio Acciaio legato	Acciaio temprato	Acciaio inossidabile	Ghisa	Lega leggera	Lega resistente al calore
++		++	++	+	+

		3 ≤ D ≤ 6	6 < D ≤ 10	10 < D ≤ 18	18 < D ≤ 20
Tolleranza D ₁ (mm)	Typo DIN	+0.010 -0.002	+0.010 -0.005	+0.005 -0.013	+0.005 -0.016
	Altri	0 -0.012	0 -0.015	0 -0.018	0 -0.021
Tolleranza D ₄ (mm)		0 -0.008	0 -0.009	0 -0.011	0 -0.013

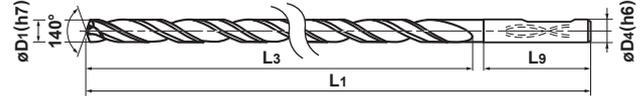


● Tipo 1 Codolo cilindrico



MPS---S/L-DIN-C (l/d 3-5)
MPS---L (l/d 8-40)

● Tipo 2 codolo Whistle Notch



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

Diam. Punta D ₁ (mm)	Profondità foro (l/d)	Disponibilità		Codice di ordinazione	Dimensioni (mm)				Tipo
		VP15TF			L ₁	L ₃	L ₉	D ₄	
7.2	3	●		MPS0720S-DIN	79	41	36	8	2
	3	●		MPS0720S-DIN-C	79	41	36	8	1
	5	●		MPS0720L-DIN	91	53	36	8	2
	5	●		MPS0720L-DIN-C	91	53	36	8	1
	8	●		MPS0720-L8C	124	84	36	8	1
	10	□		MPS0720-L10C	139	99	36	8	1
	12	●		MPS0720-L12C	154	114	36	8	1
	15	□		MPS0720-L15C	176	136	36	8	1
	20	□		MPS0720-L20C	214	174	36	8	1
	25	□		MPS0720-L25C	251	211	36	8	1
7.3	30	□		MPS0720-L30C	289	249	36	8	1
	35	□		MPS0720-L35C	325	286	36	8	1
	40	□		MPS0720-L40C	360	321	36	8	1
	3	●		MPS0730S-DIN	79	41	36	8	2
	3	●		MPS0730S-DIN-C	79	41	36	8	1
	5	●		MPS0730L-DIN	91	53	36	8	2
	5	●		MPS0730L-DIN-C	91	53	36	8	1
	8	●		MPS0730-L8C	124	84	36	8	1
	10	□		MPS0730-L10C	139	99	36	8	1
	12	●		MPS0730-L12C	154	114	36	8	1
7.4	15	□		MPS0730-L15C	176	136	36	8	1
	20	□		MPS0730-L20C	214	174	36	8	1
	25	□		MPS0730-L25C	251	211	36	8	1
	30	□		MPS0730-L30C	289	249	36	8	1
	35	□		MPS0730-L35C	325	286	36	8	1
	40	□		MPS0730-L40C	360	321	36	8	1
	3	●		MPS0740S-DIN	79	41	36	8	2
	3	●		MPS0740S-DIN-C	79	41	36	8	1
	5	●		MPS0740L-DIN	91	53	36	8	2
	5	●		MPS0740L-DIN-C	91	53	36	8	1
8	●		MPS0740-L8C	124	84	36	8	1	
10	□		MPS0740-L10C	139	99	36	8	1	
12	●		MPS0740-L12C	154	114	36	8	1	
7.5	15	□		MPS0740-L15C	176	136	36	8	1
	20	□		MPS0740-L20C	214	174	36	8	1
	25	□		MPS0740-L25C	251	211	36	8	1
	30	□		MPS0740-L30C	289	249	36	8	1
	35	□		MPS0740-L35C	325	286	36	8	1
	40	□		MPS0740-L40C	360	321	36	8	1

Diam. Punta D ₁ (mm)	Profondità foro (l/d)	Disponibilità		Codice di ordinazione	Dimensioni (mm)				Tipo
		VP15TF			L ₁	L ₃	L ₉	D ₄	
7.5	3	●		MPS0750S-DIN	79	41	36	8	2
	3	●		MPS0750S-DIN-C	79	41	36	8	1
	5	●		MPS0750L-DIN	91	53	36	8	2
	5	●		MPS0750L-DIN-C	91	53	36	8	1
	8	●		MPS0750-L8C	124	84	36	8	1
	10	□		MPS0750-L10C	139	99	36	8	1
	12	●		MPS0750-L12C	154	114	36	8	1
	15	●		MPS0750-L15C	176	136	36	8	1
	20	□		MPS0750-L20C	214	174	36	8	1
	25	□		MPS0750-L25C	251	211	36	8	1
7.6	30	□		MPS0750-L30C	289	249	36	8	1
	35	□		MPS0750-L35C	325	286	36	8	1
	40	●		MPS0750-L40C	360	321	36	8	1
	3	●		MPS0760S-DIN	79	41	36	8	2
	3	●		MPS0760S-DIN-C	79	41	36	8	1
	5	●		MPS0760L-DIN	91	53	36	8	2
	5	●		MPS0760L-DIN-C	91	53	36	8	1
	8	●		MPS0760-L8C	129	89	36	8	1
	10	□		MPS0760-L10C	145	105	36	8	1
	12	●		MPS0760-L12C	161	121	36	8	1
7.7	15	●		MPS0760-L15C	185	145	36	8	1
	20	□		MPS0760-L20C	225	185	36	8	1
	25	□		MPS0760-L25C	265	225	36	8	1
	30	□		MPS0760-L30C	305	265	36	8	1
	35	□		MPS0760-L35C	344	305	36	8	1
	40	□		MPS0760-L40C	379	341	36	8	1
	3	●		MPS0770S-DIN	79	41	36	8	2
	3	●		MPS0770S-DIN-C	79	41	36	8	1
	5	●		MPS0770L-DIN	91	53	36	8	2
	5	●		MPS0770L-DIN-C	91	53	36	8	1
8	●		MPS0770-L8C	129	89	36	8	1	
10	□		MPS0770-L10C	145	105	36	8	1	
12	●		MPS0770-L12C	161	121	36	8	1	
15	●		MPS0770-L15C	185	145	36	8	1	
7.8	20	□		MPS0770-L20C	225	185	36	8	1
	25	□		MPS0770-L25C	265	225	36	8	1
	30	□		MPS0770-L30C	305	265	36	8	1
	35	□		MPS0770-L35C	344	305	36	8	1
	40	□		MPS0770-L40C	379	341	36	8	1

● : Inventario mantenuto. □ : Non a magazzino, prodotti solo su ordinazione.

Diam. Punta D1 (mm)	Profondità foro (l/d)	Disponibilità		Codice di ordinazione	Dimensioni (mm)				Tipo
		VP15TF			L1	L3	L9	D4	
7.8	3	●		MPS0780S-DIN	79	41	36	8	2
	3	●		MPS0780S-DIN-C	79	41	36	8	1
	5	●		MPS0780L-DIN	91	53	36	8	2
	5	●		MPS0780L-DIN-C	91	53	36	8	1
	8	●		MPS0780-L8C	129	89	36	8	1
	10	□		MPS0780-L10C	145	105	36	8	1
	12	●		MPS0780-L12C	161	121	36	8	1
	15	●		MPS0780-L15C	185	145	36	8	1
	20	□		MPS0780-L20C	225	185	36	8	1
	25	□		MPS0780-L25C	265	225	36	8	1
	30	□		MPS0780-L30C	305	265	36	8	1
	NEW 35	□		MPS0780-L35C	344	305	36	8	1
40	□		MPS0780-L40C	379	341	36	8	1	
7.9	3	●		MPS0790S-DIN	79	41	36	8	2
	3	●		MPS0790S-DIN-C	79	41	36	8	1
	5	●		MPS0790L-DIN	91	53	36	8	2
	5	●		MPS0790L-DIN-C	91	53	36	8	1
	8	●		MPS0790-L8C	129	89	36	8	1
	10	□		MPS0790-L10C	145	105	36	8	1
	12	●		MPS0790-L12C	161	121	36	8	1
	15	□		MPS0790-L15C	185	145	36	8	1
	20	□		MPS0790-L20C	225	185	36	8	1
	25	□		MPS0790-L25C	265	225	36	8	1
	30	□		MPS0790-L30C	305	265	36	8	1
	NEW 35	□		MPS0790-L35C	344	305	36	8	1
40	□		MPS0790-L40C	379	341	36	8	1	
8.0	3	●		MPS0800S-DIN	79	41	36	8	2
	3	●		MPS0800S-DIN-C	79	41	36	8	1
	5	●		MPS0800L-DIN	91	53	36	8	2
	5	●		MPS0800L-DIN-C	91	53	36	8	1
	8	●		MPS0800-L8C	129	89	36	8	1
	10	●		MPS0800-L10C	145	105	36	8	1
	12	●		MPS0800-L12C	161	121	36	8	1
	15	●		MPS0800-L15C	185	145	36	8	1
	20	●		MPS0800-L20C	225	185	36	8	1
	25	●		MPS0800-L25C	265	225	36	8	1
	30	●		MPS0800-L30C	305	265	36	8	1
	NEW 35	□		MPS0800-L35C	344	305	36	8	1
40	●		MPS0800-L40C	379	341	36	8	1	
8.05	3	●		MPS0805S-DIN	88	46	40	10	2
	3	●		MPS0805S-DIN-C	88	46	40	10	1
	5	●		MPS0805L-DIN	102	60	40	10	2
	5	●		MPS0805L-DIN-C	102	60	40	10	1
8.1	3	●		MPS0810S-DIN	88	46	40	10	2
	3	●		MPS0810S-DIN-C	88	46	40	10	1
	5	●		MPS0810L-DIN	102	60	40	10	2
	5	●		MPS0810L-DIN-C	102	60	40	10	1
	8	●		MPS0810-L8C	139	95	40	10	1
	10	□		MPS0810-L10C	156	112	40	10	1
	12	●		MPS0810-L12C	173	129	40	10	1
	15	●		MPS0810-L15C	198	154	40	10	1
	20	□		MPS0810-L20C	241	197	40	10	1
	25	□		MPS0810-L25C	283	239	40	10	1
	30	□		MPS0810-L30C	326	282	40	10	1
	NEW 35	□		MPS0810-L35C	367	324	40	10	1
40	□		MPS0810-L40C	411	366	40	10	1	

Diam. Punta D1 (mm)	Profondità foro (l/d)	Disponibilità		Codice di ordinazione	Dimensioni (mm)				Tipo
		VP15TF			L1	L3	L9	D4	
8.2	3	●		MPS0820S-DIN	88	46	40	10	2
	3	●		MPS0820S-DIN-C	88	46	40	10	1
	5	●		MPS0820L-DIN	102	60	40	10	2
	5	●		MPS0820L-DIN-C	102	60	40	10	1
	8	●		MPS0820-L8C	139	95	40	10	1
	10	□		MPS0820-L10C	156	112	40	10	1
	12	●		MPS0820-L12C	173	129	40	10	1
	15	●		MPS0820-L15C	198	154	40	10	1
	20	□		MPS0820-L20C	241	197	40	10	1
	25	□		MPS0820-L25C	283	239	40	10	1
	30	□		MPS0820-L30C	326	282	40	10	1
	NEW 35	□		MPS0820-L35C	367	324	40	10	1
40	□		MPS0820-L40C	411	366	40	10	1	
8.3	3	●		MPS0830S-DIN	88	46	40	10	2
	3	●		MPS0830S-DIN-C	88	46	40	10	1
	5	●		MPS0830L-DIN	102	60	40	10	2
	5	●		MPS0830L-DIN-C	102	60	40	10	1
	8	●		MPS0830-L8C	139	95	40	10	1
	10	□		MPS0830-L10C	156	112	40	10	1
	12	●		MPS0830-L12C	173	129	40	10	1
	15	□		MPS0830-L15C	198	154	40	10	1
	20	□		MPS0830-L20C	241	197	40	10	1
	25	□		MPS0830-L25C	283	239	40	10	1
	30	□		MPS0830-L30C	326	282	40	10	1
	NEW 35	□		MPS0830-L35C	368	325	40	10	1
40	□		MPS0830-L40C	412	367	40	10	1	
8.4	3	●		MPS0840S-DIN	88	46	40	10	2
	3	●		MPS0840S-DIN-C	88	46	40	10	1
	5	●		MPS0840L-DIN	102	60	40	10	2
	5	●		MPS0840L-DIN-C	102	60	40	10	1
	8	●		MPS0840-L8C	139	95	40	10	1
	10	□		MPS0840-L10C	156	112	40	10	1
	12	●		MPS0840-L12C	173	129	40	10	1
	15	●		MPS0840-L15C	198	154	40	10	1
	20	□		MPS0840-L20C	241	197	40	10	1
	25	□		MPS0840-L25C	283	239	40	10	1
	30	□		MPS0840-L30C	326	282	40	10	1
	NEW 35	□		MPS0840-L35C	368	325	40	10	1
40	□		MPS0840-L40C	412	367	40	10	1	
8.5	3	●		MPS0850S-DIN	88	46	40	10	2
	3	●		MPS0850S-DIN-C	88	46	40	10	1
	5	●		MPS0850L-DIN	102	60	40	10	2
	5	●		MPS0850L-DIN-C	102	60	40	10	1
	8	●		MPS0850-L8C	139	95	40	10	1
	10	□		MPS0850-L10C	156	112	40	10	1
	12	●		MPS0850-L12C	173	129	40	10	1
	15	●		MPS0850-L15C	198	154	40	10	1
	20	●		MPS0850-L20C	241	197	40	10	1
	25	□		MPS0850-L25C	283	239	40	10	1
	30	□		MPS0850-L30C	326	282	40	10	1
	NEW 35	□		MPS0850-L35C	368	325	40	10	1
40	●		MPS0850-L40C	412	367	40	10	1	



FORATURA (METALLO DURO)

MPS

Typo a doppio margine

- Profondità foro l/d 3-40.
- MPS margine doppio per foratura precisa e affidabile.
- Di serie, fori passanti per il refrigerante in tutte le punte.



Acciaio al carbonio Acciaio legato	Acciaio temprato	Acciaio inossidabile	Ghisa	Lega leggera	Lega resistente al calore
++		++	++	+	+

		3 ≤ D ≤ 6	6 < D ≤ 10	10 < D ≤ 18	18 < D ≤ 20
Tolleranza D ₁ (mm)	Tipo DIN	+0.010 -0.002	+0.010 -0.005	+0.005 -0.013	+0.005 -0.016
	Altri	0 -0.012	0 -0.015	0 -0.018	0 -0.021
Tolleranza D ₄ (mm)		0 -0.008	0 -0.009	0 -0.011	0 -0.013



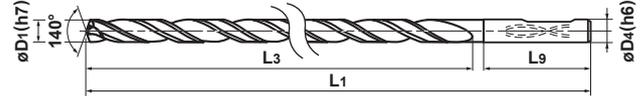
● Tipo 1 Codolo cilindrico



MPS---S/L-DIN-C (l/d 3-5)

MPS---L (l/d 8-40)

● Tipo 2 codolo Whistle Notch



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

Diam. Punta D ₁ (mm)	Profondità foro (l/d)	Disponibilità		Codice di ordinazione	Dimensioni (mm)				Tipo
		VP15TF			L ₁	L ₃	L ₉	D ₄	
8.6	3	●		MPS0860S-DIN	88	46	40	10	2
	3	●		MPS0860S-DIN-C	88	46	40	10	1
	5	●		MPS0860L-DIN	102	60	40	10	2
	5	●		MPS0860L-DIN-C	102	60	40	10	1
	8	●		MPS0860-L8C	144	100	40	10	1
	10	□		MPS0860-L10C	162	118	40	10	1
	12	●		MPS0860-L12C	180	136	40	10	1
	15	●		MPS0860-L15C	207	163	40	10	1
	20	□		MPS0860-L20C	252	208	40	10	1
	25	□		MPS0860-L25C	297	253	40	10	1
8.7	30	□		MPS0860-L30C	342	298	40	10	1
	35	□		MPS0860-L35C	387	344	40	10	1
	40	□		MPS0860-L40C	436	392	40	10	1
	3	●		MPS0870S-DIN	88	46	40	10	2
	3	●		MPS0870S-DIN-C	88	46	40	10	1
	5	●		MPS0870L-DIN	102	60	40	10	2
	5	●		MPS0870L-DIN-C	102	60	40	10	1
	8	●		MPS0870-L8C	144	100	40	10	1
	10	□		MPS0870-L10C	162	118	40	10	1
	12	●		MPS0870-L12C	180	136	40	10	1
8.8	15	●		MPS0870-L15C	207	163	40	10	1
	20	□		MPS0870-L20C	252	208	40	10	1
	25	□		MPS0870-L25C	297	253	40	10	1
	30	□		MPS0870-L30C	342	298	40	10	1
	35	□		MPS0870-L35C	387	344	40	10	1
	40	□		MPS0870-L40C	436	392	40	10	1
	3	●		MPS0880S-DIN	88	46	40	10	2
	3	●		MPS0880S-DIN-C	88	46	40	10	1
	5	●		MPS0880L-DIN	102	60	40	10	2
	5	●		MPS0880L-DIN-C	102	60	40	10	1
8	●		MPS0880-L8C	144	100	40	10	1	
10	□		MPS0880-L10C	162	118	40	10	1	
12	●		MPS0880-L12C	180	136	40	10	1	
8.9	15	●		MPS0880-L15C	207	163	40	10	1
	20	□		MPS0880-L20C	252	208	40	10	1
	25	□		MPS0880-L25C	297	253	40	10	1
	30	□		MPS0880-L30C	342	298	40	10	1
	35	□		MPS0880-L35C	387	344	40	10	1
	40	□		MPS0880-L40C	436	392	40	10	1
	3	●		MPS0890S-DIN	88	46	40	10	2
	3	●		MPS0890S-DIN-C	88	46	40	10	1
	5	●		MPS0890L-DIN	102	60	40	10	2
	5	●		MPS0890L-DIN-C	102	60	40	10	1
8	●		MPS0890-L8C	144	100	40	10	1	
10	□		MPS0890-L10C	162	118	40	10	1	
12	●		MPS0890-L12C	180	136	40	10	1	
9.0	15	●		MPS0890-L15C	207	163	40	10	1
	20	□		MPS0890-L20C	252	208	40	10	1
	25	□		MPS0890-L25C	297	253	40	10	1
	30	□		MPS0890-L30C	342	298	40	10	1
	35	□		MPS0890-L35C	387	344	40	10	1
	40	□		MPS0890-L40C	436	392	40	10	1
	3	●		MPS0900S-DIN	88	46	40	10	2
	3	●		MPS0900S-DIN-C	88	46	40	10	1
	5	●		MPS0900L-DIN	102	60	40	10	2
	5	●		MPS0900L-DIN-C	102	60	40	10	1
8	●		MPS0900-L8C	144	100	40	10	1	
10	□		MPS0900-L10C	162	118	40	10	1	
12	●		MPS0900-L12C	180	136	40	10	1	
9.1	15	●		MPS0900-L15C	207	163	40	10	1
	20	□		MPS0900-L20C	252	208	40	10	1
	25	□		MPS0900-L25C	297	253	40	10	1
	30	□		MPS0900-L30C	342	298	40	10	1
	35	□		MPS0900-L35C	387	344	40	10	1
	40	□		MPS0900-L40C	436	392	40	10	1
	3	●		MPS0910S-DIN	89	47	40	10	2
	3	●		MPS0910S-DIN-C	89	47	40	10	1
	5	●		MPS0910L-DIN	103	62	40	10	2
	5	●		MPS0910L-DIN-C	103	62	40	10	1
8	●		MPS0910-L8C	151	107	40	10	1	
10	□		MPS0910-L10C	170	126	40	10	1	
12	●		MPS0910-L12C	189	145	40	10	1	
9.2	15	●		MPS0910-L15C	217	173	40	10	1
	20	□		MPS0910-L20C	265	221	40	10	1
	25	□		MPS0910-L25C	312	268	40	10	1
	30	□		MPS0910-L30C	360	316	40	10	1
	35	□		MPS0910-L35C	406	363	40	10	1

Diam. Punta D ₁ (mm)	Profondità foro (l/d)	Disponibilità		Codice di ordinazione	Dimensioni (mm)				Tipo
		VP15TF			L ₁	L ₃	L ₉	D ₄	
8.6	3	●		MPS0860S-DIN	88	46	40	10	2
	3	●		MPS0860S-DIN-C	88	46	40	10	1
	5	●		MPS0860L-DIN	102	60	40	10	2
	5	●		MPS0860L-DIN-C	102	60	40	10	1
	8	●		MPS0860-L8C	144	100	40	10	1
	10	□		MPS0860-L10C	162	118	40	10	1
	12	●		MPS0860-L12C	180	136	40	10	1
	15	●		MPS0860-L15C	207	163	40	10	1
	20	□		MPS0860-L20C	252	208	40	10	1
	25	□		MPS0860-L25C	297	253	40	10	1
8.7	30	□		MPS0860-L30C	342	298	40	10	1
	35	□		MPS0860-L35C	387	344	40	10	1
	40	□		MPS0860-L40C	436	392	40	10	1
	3	●		MPS0870S-DIN	88	46	40	10	2
	3	●		MPS0870S-DIN-C	88	46	40	10	1
	5	●		MPS0870L-DIN	102	60	40	10	2
	5	●		MPS0870L-DIN-C	102	60	40	10	1
	8	●		MPS0870-L8C	144	100	40	10	1
	10	□		MPS0870-L10C	162	118	40	10	1
	12	●		MPS0870-L12C	180	136	40	10	1
8.8	15	●		MPS0870-L15C	207	163	40	10	1
	20	□		MPS0870-L20C	252	208	40	10	1
	25	□		MPS0870-L25C	297	253	40	10	1
	30	□		MPS0870-L30C	342	298	40	10	1
	35	□		MPS0870-L35C	387	344	40	10	1
	40	□		MPS0870-L40C	436	392	40	10	1
	3	●		MPS0880S-DIN	88	46	40	10	2
	3	●		MPS0880S-DIN-C	88	46	40	10	1
	5	●		MPS0880L-DIN	102	60	40	10	2
	5	●		MPS0880L-DIN-C	102	60	40	10	1
8	●		MPS0880-L8C	144	100	40	10	1	
10	□		MPS0880-L10C	162	118	40	10	1	
12	●		MPS0880-L12C	180	136	40	10	1	
8.9	15	●		MPS0880-L15C	207	163	40	10	1
	20	□		MPS0880-L20C	252	208	40	10	1
	25	□		MPS0880-L25C	297	253	40	10	1
	30	□		MPS0880-L30C	342	298	40	10	1
	35	□		MPS0880-L35C	387	344	40	10	1
	40	□		MPS0880-L40C	436	392	40	10	1
	3	●		MPS0890S-DIN	88	46	40	10	2
	3	●		MPS0890S-DIN-C	88	46	40	10	1
	5	●		MPS0890L-DIN	102	60	40	10	2
	5	●		MPS0890L-DIN-C	102	60	40	10	1
8	●		MPS0890-L8C	144	100	40	10	1	
10	□		MPS0890-L10C	162	118	40	10	1	
12	●		MPS0890-L12C	180	136	40	10	1	
9.0	15	●		MPS0890-L15C	207	163	40	10	1
	20	□		MPS0890-L20C	252	208	40	10	1
	25	□		MPS0890-L25C	297	253	40	10	1
	30	□		MPS0890-L30C	342	298	40	10	1
	35	□		MPS0890-L35C	387	344	40	10	1
	40	□		MPS0890-L40C	436	392	40	10	1
	3	●		MPS0900S-DIN	88	46	40	10	2
	3	●		MPS0900S-DIN-C	88	46	40	10	1
	5	●		MPS0900L-DIN	102	60	40	10	2
	5	●		MPS0900L-DIN-C	102	60	40	10	1
8	●		MPS0900-L8C	144	100	40	10	1	
10	□		MPS0900-L10C	162	118	40	10	1	
12	●		MPS0900-L12C	180	136	40	10	1	
9.1	15	●		MPS0900-L15C	207	163	40	10	1
	20	□		MPS0900-L20C	252	208	40	10	1
	25	□		MPS0900-L25C	297	253	40	10	1
	30	□		MPS0900-L30C	342	298	40	10	1
	35	□		MPS0900-L35C	387	344	40	10	1
	40	□		MPS0900-L40C	436	392	40	10	1
	3	●		MPS0910S-DIN	89	47	40	10	2
	3	●		MPS0910S-DIN-C	89	47	40	10	1
	5	●		MPS0910L-DIN	103	62	40	10	2
	5	●		MPS0910L-DIN-C	103	62	40	10	1
8	●		MPS0910-L8C	151	107	40	10	1	
10	□		MPS0910-L10C</						

Diam. Punta D1 (mm)	Profondità foro (l/d)	Disponibilità		Codice di ordinazione	Dimensioni (mm)				Tipo
		VP15TF			L1	L3	L9	D4	
9.2	3	●		MPS0920S-DIN	89	47	40	10	2
	3	●		MPS0920S-DIN-C	89	47	40	10	1
	5	●		MPS0920L-DIN	103	62	40	10	2
	5	●		MPS0920L-DIN-C	103	62	40	10	1
	8	●		MPS0920-L8C	151	107	40	10	1
	10	□		MPS0920-L10C	170	126	40	10	1
	12	●		MPS0920-L12C	189	145	40	10	1
	15	●		MPS0920-L15C	217	173	40	10	1
	20	□		MPS0920-L20C	265	221	40	10	1
	25	□		MPS0920-L25C	312	268	40	10	1
	30	□		MPS0920-L30C	360	316	40	10	1
NEW 35	□		MPS0920-L35C	406	363	40	10	1	
9.3	3	●		MPS0930S-DIN	89	47	40	10	2
	3	●		MPS0930S-DIN-C	89	47	40	10	1
	5	●		MPS0930L-DIN	103	62	40	10	2
	5	●		MPS0930L-DIN-C	103	62	40	10	1
	8	●		MPS0930-L8C	151	107	40	10	1
	10	□		MPS0930-L10C	170	126	40	10	1
	12	●		MPS0930-L12C	189	145	40	10	1
	15	□		MPS0930-L15C	217	173	40	10	1
	20	□		MPS0930-L20C	265	221	40	10	1
	25	□		MPS0930-L25C	312	268	40	10	1
	30	□		MPS0930-L30C	360	316	40	10	1
NEW 35	□		MPS0930-L35C	406	363	40	10	1	
9.4	3	●		MPS0940S-DIN	89	47	40	10	2
	3	●		MPS0940S-DIN-C	89	47	40	10	1
	5	●		MPS0940L-DIN	103	62	40	10	2
	5	●		MPS0940L-DIN-C	103	62	40	10	1
	8	●		MPS0940-L8C	151	107	40	10	1
	10	□		MPS0940-L10C	170	126	40	10	1
	12	●		MPS0940-L12C	189	145	40	10	1
	15	□		MPS0940-L15C	217	173	40	10	1
	20	□		MPS0940-L20C	265	221	40	10	1
	25	□		MPS0940-L25C	312	268	40	10	1
	30	□		MPS0940-L30C	360	316	40	10	1
NEW 35	□		MPS0940-L35C	406	363	40	10	1	
9.5	3	●		MPS0950S-DIN	89	47	40	10	2
	3	●		MPS0950S-DIN-C	89	47	40	10	1
	5	●		MPS0950L-DIN	103	62	40	10	2
	5	●		MPS0950L-DIN-C	103	62	40	10	1
	8	●		MPS0950-L8C	151	107	40	10	1
	10	□		MPS0950-L10C	170	126	40	10	1
	12	●		MPS0950-L12C	189	145	40	10	1
	15	●		MPS0950-L15C	217	173	40	10	1
	20	□		MPS0950-L20C	265	221	40	10	1
	25	□		MPS0950-L25C	312	268	40	10	1
	30	□		MPS0950-L30C	360	316	40	10	1
NEW 35	□		MPS0950-L35C	406	363	40	10	1	
9.6	3	●		MPS0960S-DIN	89	47	40	10	2
	3	●		MPS0960S-DIN-C	89	47	40	10	1
	5	●		MPS0960L-DIN	103	62	40	10	2
	5	●		MPS0960L-DIN-C	103	62	40	10	1
	8	●		MPS0960-L8C	156	112	40	10	1
	10	□		MPS0960-L10C	176	132	40	10	1
	12	●		MPS0960-L12C	196	152	40	10	1
15	●		MPS0960-L15C	226	182	40	10	1	

Diam. Punta D1 (mm)	Profondità foro (l/d)	Disponibilità		Codice di ordinazione	Dimensioni (mm)				Tipo
		VP15TF			L1	L3	L9	D4	
9.6	20	□		MPS0960-L20C	276	232	40	10	1
	25	□		MPS0960-L25C	326	282	40	10	1
	30	□		MPS0960-L30C	376	332	40	10	1
	NEW 35	□		MPS0960-L35C	425	382	40	10	1
	9.7	3	●		MPS0970S-DIN	89	47	40	10
3		●		MPS0970S-DIN-C	89	47	40	10	1
5		●		MPS0970L-DIN	103	62	40	10	2
5		●		MPS0970L-DIN-C	103	62	40	10	1
8		●		MPS0970-L8C	156	112	40	10	1
10		□		MPS0970-L10C	176	132	40	10	1
12		●		MPS0970-L12C	196	152	40	10	1
15		●		MPS0970-L15C	226	182	40	10	1
20		□		MPS0970-L20C	276	232	40	10	1
25		□		MPS0970-L25C	326	282	40	10	1
30		□		MPS0970-L30C	376	332	40	10	1
NEW 35	□		MPS0970-L35C	425	382	40	10	1	
9.8	3	●		MPS0980S-DIN	89	47	40	10	2
	3	●		MPS0980S-DIN-C	89	47	40	10	1
	5	●		MPS0980L-DIN	103	62	40	10	2
	5	●		MPS0980L-DIN-C	103	62	40	10	1
	8	●		MPS0980-L8C	156	112	40	10	1
	10	□		MPS0980-L10C	176	132	40	10	1
	12	●		MPS0980-L12C	196	152	40	10	1
	15	●		MPS0980-L15C	226	182	40	10	1
	20	□		MPS0980-L20C	276	232	40	10	1
	25	□		MPS0980-L25C	326	282	40	10	1
	30	□		MPS0980-L30C	376	332	40	10	1
NEW 35	□		MPS0980-L35C	425	382	40	10	1	
9.9	3	●		MPS0990S-DIN	89	47	40	10	2
	3	●		MPS0990S-DIN-C	89	47	40	10	1
	5	●		MPS0990L-DIN	103	62	40	10	2
	5	●		MPS0990L-DIN-C	103	62	40	10	1
	8	●		MPS0990-L8C	156	112	40	10	1
	10	□		MPS0990-L10C	176	132	40	10	1
	12	●		MPS0990-L12C	196	152	40	10	1
	15	●		MPS0990-L15C	226	182	40	10	1
	20	□		MPS0990-L20C	276	232	40	10	1
	25	□		MPS0990-L25C	326	282	40	10	1
	30	□		MPS0990-L30C	376	332	40	10	1
NEW 35	□		MPS0990-L35C	425	382	40	10	1	
10.0	3	●		MPS1000S-DIN	89	47	40	10	2
	3	●		MPS1000S-DIN-C	89	47	40	10	1
	5	●		MPS1000L-DIN	103	62	40	10	2
	5	●		MPS1000L-DIN-C	103	62	40	10	1
	8	●		MPS1000-L8C	156	112	40	10	1
	10	●		MPS1000-L10C	176	132	40	10	1
	12	●		MPS1000-L12C	196	152	40	10	1
	15	●		MPS1000-L15C	226	182	40	10	1
	20	●		MPS1000-L20C	276	232	40	10	1
	25	□		MPS1000-L25C	326	282	40	10	1
	30	□		MPS1000-L30C	376	332	40	10	1
NEW 35	□		MPS1000-L35C	425	382	40	10	1	
10.05	3	●		MPS1005S-DIN	102	55	45	12	2
	3	●		MPS1005S-DIN-C	102	55	45	12	1
	5	●		MPS1005L-DIN	118	71	45	12	2
	5	●		MPS1005L-DIN-C	118	71	45	12	1



FORATURA (METALLO DURO)

MPS

Typo a doppio margine

- Profondità foro l/d 3-40.
- MPS margine doppio per foratura precisa e affidabile.
- Di serie, fori passanti per il refrigerante in tutte le punte.



Acciaio al carbonio Acciaio legato	Acciaio temprato	Acciaio inossidabile	Ghisa	Lega leggera	Lega resistente al calore
++		++	++	+	+

		3 ≤ D ≤ 6	6 < D ≤ 10	10 < D ≤ 18	18 < D ≤ 20
Tolleranza D ₁ (mm)	Tipo DIN	+0.010 -0.002	+0.010 -0.005	+0.005 -0.013	+0.005 -0.016
	Altri	0 -0.012	0 -0.015	0 -0.018	0 -0.021
Tolleranza D ₄ (mm)		0 -0.008	0 -0.009	0 -0.011	0 -0.013



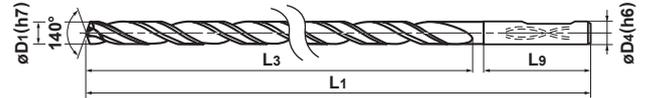
● Tipo 1 Codolo cilindrico



MPS---S/L-DIN-C (l/d 3-5)

MPS---L (l/d 8-40)

● Tipo 2 codolo Whistle Notch



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

Diam. Punta D ₁ (mm)	Profondità foro (l/d)	Disponibilità		Codice di ordinazione	Dimensioni (mm)				Tipo
		VP15TF			L ₁	L ₃	L ₉	D ₄	
10.1	3	●		MPS1010S-DIN	102	55	45	12	2
	3	●		MPS1010S-DIN-C	102	55	45	12	1
	5	●		MPS1010L-DIN	118	71	45	12	2
	5	●		MPS1010L-DIN-C	118	71	45	12	1
	8	●		MPS1010-L8C	167	118	45	12	1
	10	□		MPS1010-L10C	188	139	45	12	1
	12	●		MPS1010-L12C	209	160	45	12	1
	15	●		MPS1010-L15C	240	191	45	12	1
10.2	20	□		MPS1010-L20C	293	244	45	12	1
	25	□		MPS1010-L25C	345	296	45	12	1
	3	●		MPS1020S-DIN	102	55	45	12	2
	3	●		MPS1020S-DIN-C	102	55	45	12	1
	5	●		MPS1020L-DIN	118	71	45	12	2
	5	●		MPS1020L-DIN-C	118	71	45	12	1
	8	●		MPS1020-L8C	167	118	45	12	1
	10	□		MPS1020-L10C	188	139	45	12	1
10.3	12	●		MPS1020-L12C	209	160	45	12	1
	15	●		MPS1020-L15C	240	191	45	12	1
	20	□		MPS1020-L20C	293	244	45	12	1
	25	□		MPS1020-L25C	345	296	45	12	1
	3	●		MPS1030S-DIN	102	55	45	12	2
	3	●		MPS1030S-DIN-C	102	55	45	12	1
	5	●		MPS1030L-DIN	118	71	45	12	2
	5	●		MPS1030L-DIN-C	118	71	45	12	1
10.4	8	●		MPS1030-L8C	167	118	45	12	1
	10	□		MPS1030-L10C	188	139	45	12	1
	12	●		MPS1030-L12C	209	160	45	12	1
	15	□		MPS1030-L15C	240	191	45	12	1
	20	□		MPS1030-L20C	293	244	45	12	1
	25	□		MPS1030-L25C	345	296	45	12	1
	3	●		MPS1040S-DIN	102	55	45	12	2
	3	●		MPS1040S-DIN-C	102	55	45	12	1
10.5	5	●		MPS1040L-DIN	118	71	45	12	2
	5	●		MPS1040L-DIN-C	118	71	45	12	1
	8	●		MPS1040-L8C	167	118	45	12	1
	10	□		MPS1040-L10C	188	139	45	12	1
	12	●		MPS1040-L12C	209	160	45	12	1
	15	□		MPS1040-L15C	240	191	45	12	1
	20	□		MPS1040-L20C	293	244	45	12	1
	25	□		MPS1040-L25C	345	296	45	12	1

Diam. Punta D ₁ (mm)	Profondità foro (l/d)	Disponibilità		Codice di ordinazione	Dimensioni (mm)				Tipo
		VP15TF			L ₁	L ₃	L ₉	D ₄	
10.5	3	●		MPS1050S-DIN	102	55	45	12	2
	3	●		MPS1050S-DIN-C	102	55	45	12	1
	5	●		MPS1050L-DIN	118	71	45	12	2
	5	●		MPS1050L-DIN-C	118	71	45	12	1
	8	●		MPS1050-L8C	167	118	45	12	1
	10	□		MPS1050-L10C	188	139	45	12	1
	12	●		MPS1050-L12C	209	160	45	12	1
	15	●		MPS1050-L15C	240	191	45	12	1
10.6	20	□		MPS1050-L20C	293	244	45	12	1
	25	□		MPS1050-L25C	345	296	45	12	1
	3	●		MPS1060S-DIN	102	55	45	12	2
	3	●		MPS1060S-DIN-C	102	55	45	12	1
	5	●		MPS1060L-DIN	118	71	45	12	2
	5	●		MPS1060L-DIN-C	118	71	45	12	1
	8	●		MPS1060-L8C	172	123	45	12	1
	10	□		MPS1060-L10C	194	145	45	12	1
10.7	12	●		MPS1060-L12C	216	167	45	12	1
	15	□		MPS1060-L15C	249	200	45	12	1
	20	□		MPS1060-L20C	304	255	45	12	1
	25	□		MPS1060-L25C	359	310	45	12	1
	3	●		MPS1070S-DIN	102	55	45	12	2
	3	●		MPS1070S-DIN-C	102	55	45	12	1
	5	●		MPS1070L-DIN	118	71	45	12	2
	5	●		MPS1070L-DIN-C	118	71	45	12	1
10.8	8	●		MPS1070-L8C	172	123	45	12	1
	10	□		MPS1070-L10C	194	145	45	12	1
	12	●		MPS1070-L12C	216	167	45	12	1
	15	□		MPS1070-L15C	249	200	45	12	1
	20	□		MPS1070-L20C	304	255	45	12	1
	25	□		MPS1070-L25C	359	310	45	12	1
	3	●		MPS1080S-DIN	102	55	45	12	2
	3	●		MPS1080S-DIN-C	102	55	45	12	1
10.8	5	●		MPS1080L-DIN	118	71	45	12	2
	5	●		MPS1080L-DIN-C	118	71	45	12	1
	8	●		MPS1080-L8C	172	123	45	12	1
	10	□		MPS1080-L10C	194	145	45	12	1
	12	●		MPS1080-L12C	216	167	45	12	1
	15	□		MPS1080-L15C	249	200	45	12	1
	20	□		MPS1080-L20C	304	255	45	12	1
	25	□		MPS1080-L25C	359	310	45	12	1

● : Inventario mantenuto. □ : Non a magazzino, prodotti solo su ordinazione.

Diam. Punta D1 (mm)	Profondità foro (l/d)	Disponibilità		Codice di ordinazione	Dimensioni (mm)				Tipo
		VP15TF			L1	L3	L9	D4	
10.9	3	●		MPS1090S-DIN	102	55	45	12	2
	3	●		MPS1090S-DIN-C	102	55	45	12	1
	5	●		MPS1090L-DIN	118	71	45	12	2
	5	●		MPS1090L-DIN-C	118	71	45	12	1
	8	●		MPS1090-L8C	172	123	45	12	1
	10	□		MPS1090-L10C	194	145	45	12	1
	12	□		MPS1090-L12C	216	167	45	12	1
	15	□		MPS1090-L15C	249	200	45	12	1
	20	□		MPS1090-L20C	304	255	45	12	1
25	□		MPS1090-L25C	359	310	45	12	1	
11.0	3	●		MPS1100S-DIN	102	55	45	12	2
	3	●		MPS1100S-DIN-C	102	55	45	12	1
	5	●		MPS1100L-DIN	118	71	45	12	2
	5	●		MPS1100L-DIN-C	118	71	45	12	1
	8	●		MPS1100-L8C	172	123	45	12	1
	10	□		MPS1100-L10C	194	145	45	12	1
	12	●		MPS1100-L12C	216	167	45	12	1
	15	●		MPS1100-L15C	249	200	45	12	1
	20	□		MPS1100-L20C	304	255	45	12	1
25	□		MPS1100-L25C	359	310	45	12	1	
11.1	3	●		MPS1110S-DIN	102	55	45	12	2
	3	●		MPS1110S-DIN-C	102	55	45	12	1
	5	●		MPS1110L-DIN	118	71	45	12	2
	5	●		MPS1110L-DIN-C	118	71	45	12	1
	8	●		MPS1110-L8C	178	129	45	12	1
	10	□		MPS1110-L10C	201	152	45	12	1
	12	●		MPS1110-L12C	224	175	45	12	1
	15	●		MPS1110-L15C	258	209	45	12	1
	20	□		MPS1110-L20C	316	267	45	12	1
25	□		MPS1110-L25C	373	324	45	12	1	
11.2	3	●		MPS1120S-DIN	102	55	45	12	2
	3	●		MPS1120S-DIN-C	102	55	45	12	1
	5	●		MPS1120L-DIN	118	71	45	12	2
	5	●		MPS1120L-DIN-C	118	71	45	12	1
	8	●		MPS1120-L8C	178	129	45	12	1
	10	□		MPS1120-L10C	201	152	45	12	1
	12	□		MPS1120-L12C	224	175	45	12	1
	15	●		MPS1120-L15C	258	209	45	12	1
	20	□		MPS1120-L20C	316	267	45	12	1
25	□		MPS1120-L25C	373	324	45	12	1	
11.3	3	●		MPS1130S-DIN	102	55	45	12	2
	3	●		MPS1130S-DIN-C	102	55	45	12	1
	5	●		MPS1130L-DIN	118	71	45	12	2
	5	●		MPS1130L-DIN-C	118	71	45	12	1
	8	●		MPS1130-L8C	178	129	45	12	1
	10	□		MPS1130-L10C	201	152	45	12	1
	12	□		MPS1130-L12C	224	175	45	12	1
	15	□		MPS1130-L15C	258	209	45	12	1
	20	□		MPS1130-L20C	316	267	45	12	1
25	□		MPS1130-L25C	373	324	45	12	1	
11.4	3	●		MPS1140S-DIN	102	55	45	12	2
	3	●		MPS1140S-DIN-C	102	55	45	12	1
	5	●		MPS1140L-DIN	118	71	45	12	2
	5	●		MPS1140L-DIN-C	118	71	45	12	1
	8	●		MPS1140-L8C	178	129	45	12	1

Diam. Punta D1 (mm)	Profondità foro (l/d)	Disponibilità		Codice di ordinazione	Dimensioni (mm)				Tipo
		VP15TF			L1	L3	L9	D4	
11.4	10	□		MPS1140-L10C	201	152	45	12	1
	12	□		MPS1140-L12C	224	175	45	12	1
	15	□		MPS1140-L15C	258	209	45	12	1
	20	□		MPS1140-L20C	316	267	45	12	1
	25	□		MPS1140-L25C	373	324	45	12	1
	11.5	3	●		MPS1150S-DIN	102	55	45	12
3		●		MPS1150S-DIN-C	102	55	45	12	1
5		●		MPS1150L-DIN	118	71	45	12	2
5		●		MPS1150L-DIN-C	118	71	45	12	1
8		●		MPS1150-L8C	178	129	45	12	1
10		□		MPS1150-L10C	201	152	45	12	1
12		●		MPS1150-L12C	224	175	45	12	1
15		●		MPS1150-L15C	258	209	45	12	1
20		□		MPS1150-L20C	316	267	45	12	1
25	□		MPS1150-L25C	373	324	45	12	1	
11.6	3	●		MPS1160S-DIN	102	55	45	12	2
	3	●		MPS1160S-DIN-C	102	55	45	12	1
	5	●		MPS1160L-DIN	118	71	45	12	2
	5	●		MPS1160L-DIN-C	118	71	45	12	1
	8	●		MPS1160-L8C	183	134	45	12	1
	10	□		MPS1160-L10C	207	158	45	12	1
	12	□		MPS1160-L12C	231	182	45	12	1
	15	□		MPS1160-L15C	267	218	45	12	1
	20	□		MPS1160-L20C	327	278	45	12	1
25	□		MPS1160-L25C	387	338	45	12	1	
11.7	3	●		MPS1170S-DIN	102	55	45	12	2
	3	●		MPS1170S-DIN-C	102	55	45	12	1
	5	●		MPS1170L-DIN	118	71	45	12	2
	5	●		MPS1170L-DIN-C	118	71	45	12	1
	8	●		MPS1170-L8C	183	134	45	12	1
	10	□		MPS1170-L10C	207	158	45	12	1
	12	●		MPS1170-L12C	231	182	45	12	1
	15	●		MPS1170-L15C	267	218	45	12	1
	20	□		MPS1170-L20C	327	278	45	12	1
25	□		MPS1170-L25C	387	338	45	12	1	
11.8	3	●		MPS1180S-DIN	102	55	45	12	2
	3	●		MPS1180S-DIN-C	102	55	45	12	1
	5	●		MPS1180L-DIN	118	71	45	12	2
	5	●		MPS1180L-DIN-C	118	71	45	12	1
	8	●		MPS1180-L8C	183	134	45	12	1
	10	□		MPS1180-L10C	207	158	45	12	1
	12	●		MPS1180-L12C	231	182	45	12	1
	15	●		MPS1180-L15C	267	218	45	12	1
	20	□		MPS1180-L20C	327	278	45	12	1
25	□		MPS1180-L25C	387	338	45	12	1	
11.9	3	●		MPS1190S-DIN	102	55	45	12	2
	3	●		MPS1190S-DIN-C	102	55	45	12	1
	5	●		MPS1190L-DIN	118	71	45	12	2
	5	●		MPS1190L-DIN-C	118	71	45	12	1
	8	●		MPS1190-L8C	183	134	45	12	1
	10	□		MPS1190-L10C	207	158	45	12	1
	12	□		MPS1190-L12C	231	182	45	12	1
	15	□		MPS1190-L15C	267	218	45	12	1
	20	□		MPS1190-L20C	327	278	45	12	1
25	□		MPS1190-L25C	387	338	45	12	1	



FORATURA (METALLO DURO)

MPS

Typo a doppio margine

- Profondità foro l/d 3-40.
- MPS margine doppio per foratura precisa e affidabile.
- Di serie, fori passanti per il refrigerante in tutte le punte.



Acciaio al carbonio Acciaio legato	Acciaio temprato	Acciaio inossidabile	Ghisa	Lega leggera	Lega resistente al calore
++		++	++	+	+

		3 ≤ D ≤ 6	6 < D ≤ 10	10 < D ≤ 18	18 < D ≤ 20
Tolleranza D ₁ (mm)	Tipo DIN	+0.010 -0.002	+0.010 -0.005	+0.005 -0.013	+0.005 -0.016
	Altri	0 -0.012	0 -0.015	0 -0.018	0 -0.021
Tolleranza D ₄ (mm)		0 -0.008	0 -0.009	0 -0.011	0 -0.013

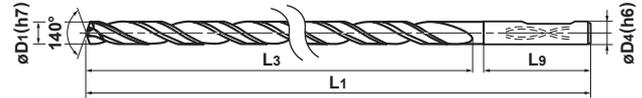


● Tipo 1 Codolo cilindrico



MPS---S/L-DIN-C (l/d 3-5)
MPS---L (l/d 8-40)

● Tipo 2 codolo Whistle Notch



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

Diam. Punta D ₁ (mm)	Profondità foro (l/d)	Disponibilità		Codice di ordinazione	Dimensioni (mm)				Tipo
		VP15TF			L ₁	L ₃	L ₉	D ₄	
12.0	3	●		MPS1200S-DIN	102	55	45	12	2
	3	●		MPS1200S-DIN-C	102	55	45	12	1
	5	●		MPS1200L-DIN	118	71	45	12	2
	5	●		MPS1200L-DIN-C	118	71	45	12	1
	8	●		MPS1200-L8C	183	134	45	12	1
	10	□		MPS1200-L10C	207	158	45	12	1
	12	●		MPS1200-L12C	231	182	45	12	1
	15	●		MPS1200-L15C	267	218	45	12	1
	20	□		MPS1200-L20C	327	278	45	12	1
25	□		MPS1200-L25C	387	338	45	12	1	
12.05	3	●		MPS1205S-DIN	107	60	45	14	2
	3	●		MPS1205S-DIN-C	107	60	45	14	1
	5	●		MPS1205L-DIN	124	77	45	14	2
	5	●		MPS1205L-DIN-C	124	77	45	14	1
	5	●		MPS1210S-DIN	107	60	45	14	2
12.1	3	●		MPS1210S-DIN	107	60	45	14	2
	3	●		MPS1210S-DIN-C	107	60	45	14	1
	5	●		MPS1210L-DIN	124	77	45	14	2
	5	●		MPS1210L-DIN-C	124	77	45	14	1
	8	●		MPS1210-L8C	189	140	45	14	1
	10	□		MPS1210-L10C	214	165	45	14	1
12.2	12	●		MPS1210-L12C	239	190	45	14	1
	15	●		MPS1210-L15C	276	227	45	14	1
	20	□		MPS1210-L20C	339	290	45	14	1
	3	●		MPS1220S-DIN	107	60	45	14	2
	3	●		MPS1220S-DIN-C	107	60	45	14	1
	5	●		MPS1220L-DIN	124	77	45	14	2
12.3	5	●		MPS1220L-DIN-C	124	77	45	14	1
	8	●		MPS1220-L8C	189	140	45	14	1
	10	□		MPS1220-L10C	214	165	45	14	1
	12	●		MPS1220-L12C	239	190	45	14	1
	15	●		MPS1220-L15C	276	227	45	14	1
	20	□		MPS1220-L20C	339	290	45	14	1
	3	●		MPS1230S-DIN	107	60	45	14	2
3	●		MPS1230S-DIN-C	107	60	45	14	1	
5	●		MPS1230L-DIN	124	77	45	14	2	
5	●		MPS1230L-DIN-C	124	77	45	14	1	
8	●		MPS1230-L8C	189	140	45	14	1	
10	□		MPS1230-L10C	214	165	45	14	1	
12	□		MPS1230-L12C	239	190	45	14	1	
15	□		MPS1230-L15C	276	227	45	14	1	
20	□		MPS1230-L20C	339	290	45	14	1	

Diam. Punta D ₁ (mm)	Profondità foro (l/d)	Disponibilità		Codice di ordinazione	Dimensioni (mm)				Tipo
		VP15TF			L ₁	L ₃	L ₉	D ₄	
12.4	3	●		MPS1240S-DIN	107	60	45	14	2
	3	●		MPS1240S-DIN-C	107	60	45	14	1
	5	●		MPS1240L-DIN	124	77	45	14	2
	5	●		MPS1240L-DIN-C	124	77	45	14	1
	8	●		MPS1240-L8C	189	140	45	14	1
	10	□		MPS1240-L10C	214	165	45	14	1
	12	□		MPS1240-L12C	239	190	45	14	1
	15	□		MPS1240-L15C	276	227	45	14	1
	20	□		MPS1240-L20C	339	290	45	14	1
12.5	3	●		MPS1250S-DIN	107	60	45	14	2
	3	●		MPS1250S-DIN-C	107	60	45	14	1
	5	●		MPS1250L-DIN	124	77	45	14	2
	5	●		MPS1250L-DIN-C	124	77	45	14	1
	8	●		MPS1250-L8C	189	140	45	14	1
	10	□		MPS1250-L10C	214	165	45	14	1
	12	●		MPS1250-L12C	239	190	45	14	1
	15	●		MPS1250-L15C	276	227	45	14	1
	20	□		MPS1250-L20C	339	290	45	14	1
12.6	3	●		MPS1260S-DIN	107	60	45	14	2
	3	●		MPS1260S-DIN-C	107	60	45	14	1
	5	●		MPS1260L-DIN	124	77	45	14	2
	5	●		MPS1260L-DIN-C	124	77	45	14	1
	8	●		MPS1260-L8C	194	145	45	14	1
	10	□		MPS1260-L10C	220	171	45	14	1
	12	□		MPS1260-L12C	246	197	45	14	1
	15	□		MPS1260-L15C	285	236	45	14	1
	20	□		MPS1260-L20C	350	301	45	14	1
12.7	3	●		MPS1270S-DIN	107	60	45	14	2
	3	●		MPS1270S-DIN-C	107	60	45	14	1
	5	●		MPS1270L-DIN	124	77	45	14	2
	5	●		MPS1270L-DIN-C	124	77	45	14	1
	8	●		MPS1270-L8C	194	145	45	14	1
	10	□		MPS1270-L10C	220	171	45	14	1
	12	●		MPS1270-L12C	246	197	45	14	1
	15	□		MPS1270-L15C	285	236	45	14	1
	20	□		MPS1270-L20C	350	301	45	14	1

● : Inventario mantenuto. □ : Non a magazzino, prodotti solo su ordinazione.

Diam. Punta D1 (mm)	Profondità foro (l/d)	Disponibilità		Codice di ordinazione	Dimensioni (mm)				Tipo
		VP15TF			L1	L3	L9	D4	
12.8	3	●		MPS1280S-DIN	107	60	45	14	2
	3	●		MPS1280S-DIN-C	107	60	45	14	1
	5	●		MPS1280L-DIN	124	77	45	14	2
	5	●		MPS1280L-DIN-C	124	77	45	14	1
	8	●		MPS1280-L8C	194	145	45	14	1
	10	□		MPS1280-L10C	220	171	45	14	1
	12	●		MPS1280-L12C	246	197	45	14	1
	15	□		MPS1280-L15C	285	236	45	14	1
20	□		MPS1280-L20C	350	301	45	14	1	
12.9	3	●		MPS1290S-DIN	107	60	45	14	2
	3	●		MPS1290S-DIN-C	107	60	45	14	1
	5	●		MPS1290L-DIN	124	77	45	14	2
	5	●		MPS1290L-DIN-C	124	77	45	14	1
	8	●		MPS1290-L8C	194	145	45	14	1
	10	□		MPS1290-L10C	220	171	45	14	1
	12	□		MPS1290-L12C	246	197	45	14	1
	15	□		MPS1290-L15C	285	236	45	14	1
20	□		MPS1290-L20C	350	301	45	14	1	
13.0	3	●		MPS1300S-DIN	107	60	45	14	2
	3	●		MPS1300S-DIN-C	107	60	45	14	1
	5	●		MPS1300L-DIN	124	77	45	14	2
	5	●		MPS1300L-DIN-C	124	77	45	14	1
	8	●		MPS1300-L8C	194	145	45	14	1
	10	□		MPS1300-L10C	220	171	45	14	1
	12	●		MPS1300-L12C	246	197	45	14	1
	15	●		MPS1300-L15C	285	236	45	14	1
20	□		MPS1300-L20C	350	301	45	14	1	
13.1	3	●		MPS1310S-DIN	107	60	45	14	2
	3	●		MPS1310S-DIN-C	107	60	45	14	1
	5	●		MPS1310L-DIN	124	77	45	14	2
	5	●		MPS1310L-DIN-C	124	77	45	14	1
	8	●		MPS1310-L8C	200	151	45	14	1
	10	□		MPS1310-L10C	227	178	45	14	1
	12	□		MPS1310-L12C	254	205	45	14	1
	15	□		MPS1310-L15C	294	245	45	14	1
20	□		MPS1310-L20C	362	313	45	14	1	
13.2	3	●		MPS1320S-DIN	107	60	45	14	2
	3	●		MPS1320S-DIN-C	107	60	45	14	1
	5	●		MPS1320L-DIN	124	77	45	14	2
	5	●		MPS1320L-DIN-C	124	77	45	14	1
	8	●		MPS1320-L8C	200	151	45	14	1
	10	□		MPS1320-L10C	227	178	45	14	1
	12	●		MPS1320-L12C	254	205	45	14	1
	15	□		MPS1320-L15C	294	245	45	14	1
20	□		MPS1320-L20C	362	313	45	14	1	
13.3	3	●		MPS1330S-DIN	107	60	45	14	2
	3	●		MPS1330S-DIN-C	107	60	45	14	1
	5	●		MPS1330L-DIN	124	77	45	14	2
	5	●		MPS1330L-DIN-C	124	77	45	14	1
	8	●		MPS1330-L8C	200	151	45	14	1
	10	□		MPS1330-L10C	227	178	45	14	1
	12	□		MPS1330-L12C	254	205	45	14	1
	15	□		MPS1330-L15C	294	245	45	14	1
20	□		MPS1330-L20C	362	313	45	14	1	

Diam. Punta D1 (mm)	Profondità foro (l/d)	Disponibilità		Codice di ordinazione	Dimensioni (mm)				Tipo
		VP15TF			L1	L3	L9	D4	
13.4	3	●		MPS1340S-DIN	107	60	45	14	2
	3	●		MPS1340S-DIN-C	107	60	45	14	1
	5	●		MPS1340L-DIN	124	77	45	14	2
	5	●		MPS1340L-DIN-C	124	77	45	14	1
	8	●		MPS1340-L8C	200	151	45	14	1
	10	□		MPS1340-L10C	227	178	45	14	1
	12	□		MPS1340-L12C	254	205	45	14	1
	15	□		MPS1340-L15C	294	245	45	14	1
20	□		MPS1340-L20C	362	313	45	14	1	
13.5	3	●		MPS1350S-DIN	107	60	45	14	2
	3	●		MPS1350S-DIN-C	107	60	45	14	1
	5	●		MPS1350L-DIN	124	77	45	14	2
	5	●		MPS1350L-DIN-C	124	77	45	14	1
	8	●		MPS1350-L8C	200	151	45	14	1
	10	□		MPS1350-L10C	227	178	45	14	1
	12	●		MPS1350-L12C	254	205	45	14	1
	15	□		MPS1350-L15C	294	245	45	14	1
20	□		MPS1350-L20C	362	313	45	14	1	
13.6	3	●		MPS1360S-DIN	107	60	45	14	2
	3	●		MPS1360S-DIN-C	107	60	45	14	1
	5	●		MPS1360L-DIN	124	77	45	14	2
	5	●		MPS1360L-DIN-C	124	77	45	14	1
	8	●		MPS1360-L8C	205	156	45	14	1
	10	□		MPS1360-L10C	233	184	45	14	1
	12	□		MPS1360-L12C	261	212	45	14	1
	15	□		MPS1360-L15C	303	254	45	14	1
20	□		MPS1360-L20C	373	324	45	14	1	
13.7	3	●		MPS1370S-DIN	107	60	45	14	2
	3	●		MPS1370S-DIN-C	107	60	45	14	1
	5	●		MPS1370L-DIN	124	77	45	14	2
	5	●		MPS1370L-DIN-C	124	77	45	14	1
	8	●		MPS1370-L8C	205	156	45	14	1
	10	□		MPS1370-L10C	233	184	45	14	1
	12	□		MPS1370-L12C	261	212	45	14	1
	15	□		MPS1370-L15C	303	254	45	14	1
20	□		MPS1370-L20C	373	324	45	14	1	
13.8	3	●		MPS1380S-DIN	107	60	45	14	2
	3	●		MPS1380S-DIN-C	107	60	45	14	1
	5	●		MPS1380L-DIN	124	77	45	14	2
	5	●		MPS1380L-DIN-C	124	77	45	14	1
	8	●		MPS1380-L8C	205	156	45	14	1
	10	□		MPS1380-L10C	233	184	45	14	1
	12	□		MPS1380-L12C	261	212	45	14	1
	15	□		MPS1380-L15C	303	254	45	14	1
20	□		MPS1380-L20C	373	324	45	14	1	
13.9	3	●		MPS1390S-DIN	107	60	45	14	2
	3	●		MPS1390S-DIN-C	107	60	45	14	1
	5	●		MPS1390L-DIN	124	77	45	14	2
	5	●		MPS1390L-DIN-C	124	77	45	14	1
	8	●		MPS1390-L8C	205	156	45	14	1
	10	□		MPS1390-L10C	233	184	45	14	1
	12	□		MPS1390-L12C	261	212	45	14	1
	15	□		MPS1390-L15C	303	254	45	14	1
20	□		MPS1390-L20C	373	324	45	14	1	



FORATURA (METALLO DURO)

MPS

Typo a doppio margine

- Profondità foro l/d 3-40.
- MPS margine doppio per foratura precisa e affidabile.
- Di serie, fori passanti per il refrigerante in tutte le punte.



Acciaio al carbonio Acciaio legato	Acciaio temprato	Acciaio inossidabile	Ghisa	Lega leggera	Lega resistente al calore
++		++	++	+	+

		3 ≤ D ≤ 6	6 < D ≤ 10	10 < D ≤ 18	18 < D ≤ 20
Tolleranza D ₁ (mm)	Tipo DIN	+0.010 -0.002	+0.010 -0.005	+0.005 -0.013	+0.005 -0.016
	Altri	0 -0.012	0 -0.015	0 -0.018	0 -0.021
Tolleranza D ₄ (mm)		0 -0.008	0 -0.009	0 -0.011	0 -0.013

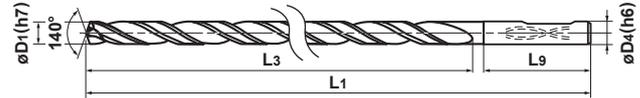


● Tipo 1 Codolo cilindrico



MPS---S/L-DIN-C (l/d 3-5)
MPS---L (l/d 8-40)

● Tipo 2 codolo Whistle Notch



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

Diam. Punta D ₁ (mm)	Profondità foro (l/d)	Disponibilità		Codice di ordinazione	Dimensioni (mm)				Tipo
		VP15TF			L ₁	L ₃	L ₉	D ₄	
14.0	3	●		MPS1400S-DIN	107	60	45	14	2
	3	●		MPS1400S-DIN-C	107	60	45	14	1
	5	●		MPS1400L-DIN	124	77	45	14	2
	5	●		MPS1400L-DIN-C	124	77	45	14	1
	8	●		MPS1400-L8C	205	156	45	14	1
	10	□		MPS1400-L10C	233	184	45	14	1
	12	●		MPS1400-L12C	261	212	45	14	1
	15	●		MPS1400-L15C	303	254	45	14	1
14.1	20	□		MPS1400-L20C	373	324	45	14	1
	3	□		MPS1410S-DIN	114	64	48	16	2
	3	□		MPS1410S-DIN-C	114	64	48	16	1
	5	□		MPS1410L-DIN	132	82	48	16	2
14.2	5	□		MPS1420S-DIN	114	64	48	16	2
	3	●		MPS1420S-DIN-C	114	64	48	16	1
	5	●		MPS1420L-DIN	132	82	48	16	2
	5	●		MPS1420L-DIN-C	132	82	48	16	1
14.3	5	□		MPS1430S-DIN	114	64	48	16	2
	3	□		MPS1430S-DIN-C	114	64	48	16	1
	5	□		MPS1430L-DIN	132	82	48	16	2
	5	□		MPS1430L-DIN-C	132	82	48	16	1
14.4	5	□		MPS1440S-DIN	114	64	48	16	2
	3	□		MPS1440S-DIN-C	114	64	48	16	1
	5	□		MPS1440L-DIN	132	82	48	16	2
	5	□		MPS1440L-DIN-C	132	82	48	16	1
14.5	5	□		MPS1450S-DIN	114	64	48	16	2
	3	●		MPS1450S-DIN-C	114	64	48	16	1
	5	●		MPS1450L-DIN	132	82	48	16	2
	5	●		MPS1450L-DIN-C	132	82	48	16	1
14.6	5	□		MPS1460S-DIN	114	64	48	16	2
	3	□		MPS1460S-DIN-C	114	64	48	16	1
	5	□		MPS1460L-DIN	132	82	48	16	2
	5	□		MPS1460L-DIN-C	132	82	48	16	1
14.7	5	□		MPS1470S-DIN	114	64	48	16	2
	3	□		MPS1470S-DIN-C	114	64	48	16	1
	5	□		MPS1470L-DIN	132	82	48	16	2
	5	□		MPS1470L-DIN-C	132	82	48	16	1
14.8	5	□		MPS1480S-DIN	114	64	48	16	2
	3	□		MPS1480S-DIN-C	114	64	48	16	1
	5	□		MPS1480L-DIN	132	82	48	16	2
	5	□		MPS1480L-DIN-C	132	82	48	16	1

Diam. Punta D ₁ (mm)	Profondità foro (l/d)	Disponibilità		Codice di ordinazione	Dimensioni (mm)				Tipo
		VP15TF			L ₁	L ₃	L ₉	D ₄	
14.9	3	□		MPS1490S-DIN	114	64	48	16	2
	3	□		MPS1490S-DIN-C	114	64	48	16	1
	5	□		MPS1490L-DIN	132	82	48	16	2
	5	□		MPS1490L-DIN-C	132	82	48	16	1
15.0	3	●		MPS1500S-DIN	114	64	48	16	2
	3	●		MPS1500S-DIN-C	114	64	48	16	1
	5	●		MPS1500L-DIN	132	82	48	16	2
	5	●		MPS1500L-DIN-C	132	82	48	16	1
15.1	3	□		MPS1510S-DIN	115	65	48	16	2
	3	□		MPS1510S-DIN-C	115	65	48	16	1
	5	□		MPS1510L-DIN	133	83	48	16	2
	5	□		MPS1510L-DIN-C	133	83	48	16	1
15.2	3	□		MPS1520S-DIN	115	65	48	16	2
	3	□		MPS1520S-DIN-C	115	65	48	16	1
	5	□		MPS1520L-DIN	133	83	48	16	2
	5	□		MPS1520L-DIN-C	133	83	48	16	1
15.3	3	□		MPS1530S-DIN	115	65	48	16	2
	3	□		MPS1530S-DIN-C	115	65	48	16	1
	5	□		MPS1530L-DIN	133	83	48	16	2
	5	□		MPS1530L-DIN-C	133	83	48	16	1
15.4	3	□		MPS1540S-DIN	115	65	48	16	2
	3	□		MPS1540S-DIN-C	115	65	48	16	1
	5	□		MPS1540L-DIN	133	83	48	16	2
	5	□		MPS1540L-DIN-C	133	83	48	16	1
15.5	3	●		MPS1550S-DIN	115	65	48	16	2
	3	●		MPS1550S-DIN-C	115	65	48	16	1
	5	●		MPS1550L-DIN	133	83	48	16	2
	5	●		MPS1550L-DIN-C	133	83	48	16	1
15.6	3	□		MPS1560S-DIN	115	65	48	16	2
	3	□		MPS1560S-DIN-C	115	65	48	16	1
	5	□		MPS1560L-DIN	133	83	48	16	2
	5	□		MPS1560L-DIN-C	133	83	48	16	1
15.7	3	□		MPS1570S-DIN	115	65	48	16	2
	3	□		MPS1570S-DIN-C	115	65	48	16	1
	5	□		MPS1570L-DIN	133	83	48	16	2
	5	□		MPS1570L-DIN-C	133	83	48	16	1
15.8	3	□		MPS1580S-DIN	115	65	48	16	2
	3	□		MPS1580S-DIN-C	115	65	48	16	1
	5	□		MPS1580L-DIN	133	83	48	16	2
	5	□		MPS1580L-DIN-C	133	83	48	16	1

● : Inventario mantenuto. □ : Non a magazzino, prodotti solo su ordinazione.

Diam. Punta D1 (mm)	Profondità foro (l/d)	Disponibilità		Codice di ordinazione	Dimensioni (mm)				Tipo
		VP15TF			L1	L3	L9	D4	
15.9	3	<input type="checkbox"/>		MPS1590S-DIN	115	65	48	16	2
	3	<input type="checkbox"/>		MPS1590S-DIN-C	115	65	48	16	1
	5	<input type="checkbox"/>		MPS1590L-DIN	133	83	48	16	2
	5	<input type="checkbox"/>		MPS1590L-DIN-C	133	83	48	16	1
16.0	3	<input checked="" type="checkbox"/>		MPS1600S-DIN	115	65	48	16	2
	3	<input checked="" type="checkbox"/>		MPS1600S-DIN-C	115	65	48	16	1
	5	<input checked="" type="checkbox"/>		MPS1600L-DIN	133	83	48	16	2
	5	<input checked="" type="checkbox"/>		MPS1600L-DIN-C	133	83	48	16	1
16.1	3	<input type="checkbox"/>		MPS1610S-DIN	123	73	48	18	2
	3	<input type="checkbox"/>		MPS1610S-DIN-C	123	73	48	18	1
	5	<input type="checkbox"/>		MPS1610L-DIN	143	93	48	18	2
	5	<input type="checkbox"/>		MPS1610L-DIN-C	143	93	48	18	1
16.2	3	<input type="checkbox"/>		MPS1620S-DIN	123	73	48	18	2
	3	<input type="checkbox"/>		MPS1620S-DIN-C	123	73	48	18	1
	5	<input type="checkbox"/>		MPS1620L-DIN	143	93	48	18	2
	5	<input type="checkbox"/>		MPS1620L-DIN-C	143	93	48	18	1
16.3	3	<input type="checkbox"/>		MPS1630S-DIN	123	73	48	18	2
	3	<input type="checkbox"/>		MPS1630S-DIN-C	123	73	48	18	1
	5	<input type="checkbox"/>		MPS1630L-DIN	143	93	48	18	2
	5	<input type="checkbox"/>		MPS1630L-DIN-C	143	93	48	18	1
16.4	3	<input type="checkbox"/>		MPS1640S-DIN	123	73	48	18	2
	3	<input type="checkbox"/>		MPS1640S-DIN-C	123	73	48	18	1
	5	<input type="checkbox"/>		MPS1640L-DIN	143	93	48	18	2
	5	<input type="checkbox"/>		MPS1640L-DIN-C	143	93	48	18	1
16.5	3	<input checked="" type="checkbox"/>		MPS1650S-DIN	123	73	48	18	2
	3	<input checked="" type="checkbox"/>		MPS1650S-DIN-C	123	73	48	18	1
	5	<input checked="" type="checkbox"/>		MPS1650L-DIN	143	93	48	18	2
	5	<input checked="" type="checkbox"/>		MPS1650L-DIN-C	143	93	48	18	1
16.6	3	<input type="checkbox"/>		MPS1660S-DIN	123	73	48	18	2
	3	<input type="checkbox"/>		MPS1660S-DIN-C	123	73	48	18	1
	5	<input type="checkbox"/>		MPS1660L-DIN	143	93	48	18	2
	5	<input type="checkbox"/>		MPS1660L-DIN-C	143	93	48	18	1
16.7	3	<input type="checkbox"/>		MPS1670S-DIN	123	73	48	18	2
	3	<input type="checkbox"/>		MPS1670S-DIN-C	123	73	48	18	1
	5	<input type="checkbox"/>		MPS1670L-DIN	143	93	48	18	2
	5	<input type="checkbox"/>		MPS1670L-DIN-C	143	93	48	18	1
16.8	3	<input type="checkbox"/>		MPS1680S-DIN	123	73	48	18	2
	3	<input type="checkbox"/>		MPS1680S-DIN-C	123	73	48	18	1
	5	<input type="checkbox"/>		MPS1680L-DIN	143	93	48	18	2
	5	<input type="checkbox"/>		MPS1680L-DIN-C	143	93	48	18	1
16.9	3	<input type="checkbox"/>		MPS1690S-DIN	123	73	48	18	2
	3	<input type="checkbox"/>		MPS1690S-DIN-C	123	73	48	18	1
	5	<input type="checkbox"/>		MPS1690L-DIN	143	93	48	18	2
	5	<input type="checkbox"/>		MPS1690L-DIN-C	143	93	48	18	1
17.0	3	<input checked="" type="checkbox"/>		MPS1700S-DIN	123	73	48	18	2
	3	<input checked="" type="checkbox"/>		MPS1700S-DIN-C	123	73	48	18	1
	5	<input checked="" type="checkbox"/>		MPS1700L-DIN	143	93	48	18	2
	5	<input checked="" type="checkbox"/>		MPS1700L-DIN-C	143	93	48	18	1
17.1	3	<input type="checkbox"/>		MPS1710S-DIN	123	73	48	18	2
	3	<input type="checkbox"/>		MPS1710S-DIN-C	123	73	48	18	1
	5	<input type="checkbox"/>		MPS1710L-DIN	143	93	48	18	2
	5	<input type="checkbox"/>		MPS1710L-DIN-C	143	93	48	18	1

Diam. Punta D1 (mm)	Profondità foro (l/d)	Disponibilità		Codice di ordinazione	Dimensioni (mm)				Tipo
		VP15TF			L1	L3	L9	D4	
17.2	3	<input type="checkbox"/>		MPS1720S-DIN	123	73	48	18	2
	3	<input type="checkbox"/>		MPS1720S-DIN-C	123	73	48	18	1
	5	<input type="checkbox"/>		MPS1720L-DIN	143	93	48	18	2
	5	<input type="checkbox"/>		MPS1720L-DIN-C	143	93	48	18	1
17.3	3	<input type="checkbox"/>		MPS1730S-DIN	123	73	48	18	2
	3	<input type="checkbox"/>		MPS1730S-DIN-C	123	73	48	18	1
	5	<input type="checkbox"/>		MPS1730L-DIN	143	93	48	18	2
	5	<input type="checkbox"/>		MPS1730L-DIN-C	143	93	48	18	1
17.4	3	<input type="checkbox"/>		MPS1740S-DIN	123	73	48	18	2
	3	<input type="checkbox"/>		MPS1740S-DIN-C	123	73	48	18	1
	5	<input type="checkbox"/>		MPS1740L-DIN	143	93	48	18	2
	5	<input type="checkbox"/>		MPS1740L-DIN-C	143	93	48	18	1
17.5	3	<input checked="" type="checkbox"/>		MPS1750S-DIN	123	73	48	18	2
	3	<input checked="" type="checkbox"/>		MPS1750S-DIN-C	123	73	48	18	1
	5	<input checked="" type="checkbox"/>		MPS1750L-DIN	143	93	48	18	2
	5	<input checked="" type="checkbox"/>		MPS1750L-DIN-C	143	93	48	18	1
17.6	3	<input type="checkbox"/>		MPS1760S-DIN	123	73	48	18	2
	3	<input type="checkbox"/>		MPS1760S-DIN-C	123	73	48	18	1
	5	<input type="checkbox"/>		MPS1760L-DIN	143	93	48	18	2
	5	<input type="checkbox"/>		MPS1760L-DIN-C	143	93	48	18	1
17.7	3	<input type="checkbox"/>		MPS1770S-DIN	123	73	48	18	2
	3	<input type="checkbox"/>		MPS1770S-DIN-C	123	73	48	18	1
	5	<input type="checkbox"/>		MPS1770L-DIN	143	93	48	18	2
	5	<input type="checkbox"/>		MPS1770L-DIN-C	143	93	48	18	1
17.8	3	<input type="checkbox"/>		MPS1780S-DIN	123	73	48	18	2
	3	<input type="checkbox"/>		MPS1780S-DIN-C	123	73	48	18	1
	5	<input type="checkbox"/>		MPS1780L-DIN	143	93	48	18	2
	5	<input type="checkbox"/>		MPS1780L-DIN-C	143	93	48	18	1
17.9	3	<input type="checkbox"/>		MPS1790S-DIN	123	73	48	18	2
	3	<input type="checkbox"/>		MPS1790S-DIN-C	123	73	48	18	1
	5	<input type="checkbox"/>		MPS1790L-DIN	143	93	48	18	2
	5	<input type="checkbox"/>		MPS1790L-DIN-C	143	93	48	18	1
18.0	3	<input checked="" type="checkbox"/>		MPS1800S-DIN	123	73	48	18	2
	3	<input checked="" type="checkbox"/>		MPS1800S-DIN-C	123	73	48	18	1
	5	<input checked="" type="checkbox"/>		MPS1800L-DIN	143	93	48	18	2
	5	<input checked="" type="checkbox"/>		MPS1800L-DIN-C	143	93	48	18	1
18.1	3	<input type="checkbox"/>		MPS1810S-DIN	131	79	50	20	2
	3	<input type="checkbox"/>		MPS1810S-DIN-C	131	79	50	20	1
	5	<input type="checkbox"/>		MPS1810L-DIN	153	101	50	20	2
	5	<input type="checkbox"/>		MPS1810L-DIN-C	153	101	50	20	1
18.2	3	<input type="checkbox"/>		MPS1820S-DIN	131	79	50	20	2
	3	<input type="checkbox"/>		MPS1820S-DIN-C	131	79	50	20	1
	5	<input type="checkbox"/>		MPS1820L-DIN	153	101	50	20	2
	5	<input type="checkbox"/>		MPS1820L-DIN-C	153	101	50	20	1
18.3	3	<input type="checkbox"/>		MPS1830S-DIN	131	79	50	20	2
	3	<input type="checkbox"/>		MPS1830S-DIN-C	131	79	50	20	1
	5	<input type="checkbox"/>		MPS1830L-DIN	153	101	50	20	2
	5	<input type="checkbox"/>		MPS1830L-DIN-C	153	101	50	20	1
18.4	3	<input type="checkbox"/>		MPS1840S-DIN	131	79	50	20	2
	3	<input type="checkbox"/>		MPS1840S-DIN-C	131	79	50	20	1
	5	<input type="checkbox"/>		MPS1840L-DIN	153	101	50	20	2
	5	<input type="checkbox"/>		MPS1840L-DIN-C	153	101	50	20	1

FORATURA PUNTE MPS



FORATURA (METALLO DURO)

MPS

Typo a doppio margine

- Profondità foro l/d 3-40.
- MPS margine doppio per foratura precisa e affidabile.
- Di serie, fori passanti per il refrigerante in tutte le punte.



Acciaio al carbonio Acciaio legato	Acciaio temprato	Acciaio inossidabile	Ghisa	Lega leggera	Lega resistente al calore
++		++	++	+	+

		3 ≤ D ≤ 6	6 < D ≤ 10	10 < D ≤ 18	18 < D ≤ 20
Tolleranza D1 (mm)	Tipo DIN	+0.010 -0.002	+0.010 -0.005	+0.005 -0.013	+0.005 -0.016
	Altri	0 -0.012	0 -0.015	0 -0.018	0 -0.021
Tolleranza D4 (mm)		0 -0.008	0 -0.009	0 -0.011	0 -0.013

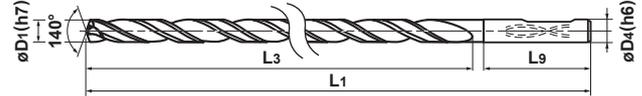


● Tipo 1 Codolo cilindrico



MPS---S/L-DIN-C (l/d 3-5)
MPS---L (l/d 8-40)

● Tipo 2 codolo Whistle Notch



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

Diam. Punta D1 (mm)	Profondità foro (l/d)	Disponibilità		Codice di ordinazione	Dimensioni (mm)				Tipo
		VP15TF			L1	L3	L9	D4	
18.5	3	●		MPS1850S-DIN	131	79	50	20	2
	3	●		MPS1850S-DIN-C	131	79	50	20	1
	5	●		MPS1850L-DIN	153	101	50	20	2
	5	●		MPS1850L-DIN-C	153	101	50	20	1
18.6	3	□		MPS1860S-DIN	131	79	50	20	2
	3	□		MPS1860S-DIN-C	131	79	50	20	1
	5	□		MPS1860L-DIN	153	101	50	20	2
	5	□		MPS1860L-DIN-C	153	101	50	20	1
18.7	3	□		MPS1870S-DIN	131	79	50	20	2
	3	□		MPS1870S-DIN-C	131	79	50	20	1
	5	□		MPS1870L-DIN	153	101	50	20	2
	5	□		MPS1870L-DIN-C	153	101	50	20	1
18.8	3	□		MPS1880S-DIN	131	79	50	20	2
	3	□		MPS1880S-DIN-C	131	79	50	20	1
	5	□		MPS1880L-DIN	153	101	50	20	2
	5	□		MPS1880L-DIN-C	153	101	50	20	1
18.9	3	□		MPS1890S-DIN	131	79	50	20	2
	3	□		MPS1890S-DIN-C	131	79	50	20	1
	5	□		MPS1890L-DIN	153	101	50	20	2
	5	□		MPS1890L-DIN-C	153	101	50	20	1
19.0	3	●		MPS1900S-DIN	131	79	50	20	2
	3	●		MPS1900S-DIN-C	131	79	50	20	1
	5	●		MPS1900L-DIN	153	101	50	20	2
	5	●		MPS1900L-DIN-C	153	101	50	20	1
19.1	3	□		MPS1910S-DIN	131	79	50	20	2
	3	□		MPS1910S-DIN-C	131	79	50	20	1
	5	□		MPS1910L-DIN	153	101	50	20	2
	5	□		MPS1910L-DIN-C	153	101	50	20	1
19.2	3	□		MPS1920S-DIN	131	79	50	20	2
	3	□		MPS1920S-DIN-C	131	79	50	20	1
	5	□		MPS1920L-DIN	153	101	50	20	2
	5	□		MPS1920L-DIN-C	153	101	50	20	1

Diam. Punta D1 (mm)	Profondità foro (l/d)	Disponibilità		Codice di ordinazione	Dimensioni (mm)				Tipo
		VP15TF			L1	L3	L9	D4	
19.3	3	□		MPS1930S-DIN	131	79	50	20	2
	3	□		MPS1930S-DIN-C	131	79	50	20	1
	5	□		MPS1930L-DIN	153	101	50	20	2
	5	□		MPS1930L-DIN-C	153	101	50	20	1
19.4	3	□		MPS1940S-DIN	131	79	50	20	2
	3	□		MPS1940S-DIN-C	131	79	50	20	1
	5	□		MPS1940L-DIN	153	101	50	20	2
	5	□		MPS1940L-DIN-C	153	101	50	20	1
19.5	3	●		MPS1950S-DIN	131	79	50	20	2
	3	□		MPS1950S-DIN-C	131	79	50	20	1
	5	●		MPS1950L-DIN	153	101	50	20	2
	5	●		MPS1950L-DIN-C	153	101	50	20	1
19.6	3	□		MPS1960S-DIN	131	79	50	20	2
	3	□		MPS1960S-DIN-C	131	79	50	20	1
	5	□		MPS1960L-DIN	153	101	50	20	2
	5	□		MPS1960L-DIN-C	153	101	50	20	1
19.7	3	□		MPS1970S-DIN	131	79	50	20	2
	3	□		MPS1970S-DIN-C	131	79	50	20	1
	5	□		MPS1970L-DIN	153	101	50	20	2
	5	□		MPS1970L-DIN-C	153	101	50	20	1
19.8	3	□		MPS1980S-DIN	131	79	50	20	2
	3	□		MPS1980S-DIN-C	131	79	50	20	1
	5	□		MPS1980L-DIN	153	101	50	20	2
	5	□		MPS1980L-DIN-C	153	101	50	20	1
19.9	3	□		MPS1990S-DIN	131	79	50	20	2
	3	□		MPS1990S-DIN-C	131	79	50	20	1
	5	□		MPS1990L-DIN	153	101	50	20	2
	5	□		MPS1990L-DIN-C	153	101	50	20	1
20.0	3	●		MPS2000S-DIN	131	79	50	20	2
	3	●		MPS2000S-DIN-C	131	79	50	20	1
	5	●		MPS2000L-DIN	153	101	50	20	2
	5	●		MPS2000L-DIN-C	153	101	50	20	1

● : Inventario mantenuto. □ : Non a magazzino, prodotti solo su ordinazione.

PARAMETRI DI TAGLIO CONSIGLIATI

● PUNTE MPS (3xD, 5xD, 8xD, 12xD)

Materiale da lavorare	Diametro della punta Condizioni Durezza	φ3.0-φ6.0		φ6.0-φ10.0		φ10.0-φ14.0		φ14.0-φ20.0	
		Velocità di taglio (m/min)	Avanzamento (mm/giro)						
P Acciaio dolce	≤ 180HB	110 (50-120)	0.20 (0.15-0.25)	130 (80-140)	0.25 (0.20-0.35)	150 (90-170)	0.30 (0.20-0.40)	160 (100-180)	0.35 (0.20-0.40)
	180-280HB	90 (50-100)	0.20 (0.15-0.25)	110 (70-120)	0.25 (0.20-0.35)	130 (80-140)	0.25 (0.20-0.40)	140 (100-150)	0.30 (0.20-0.40)
	280-350HB	80 (40-90)	0.20 (0.15-0.30)	90 (60-110)	0.25 (0.15-0.30)	110 (70-130)	0.25 (0.15-0.40)	120 (90-140)	0.30 (0.20-0.40)
M Acciaio inossidabile	≤ 200HB	50 (20-100)	0.10 (0.05-0.15)	60 (40-120)	0.20 (0.10-0.25)	70 (50-120)	0.25 (0.15-0.30)	80 (60-120)	0.25 (0.15-0.30)
K Ghisa	Resistenza alla trazione ≤ 350MPa	100 (70-120)	0.25 (0.15-0.30)	130 (100-140)	0.30 (0.20-0.35)	150 (110-160)	0.35 (0.25-0.40)	160 (120-170)	0.35 (0.25-0.40)
	Resistenza alla trazione ≤ 450MPa	60 (30-80)	0.20 (0.15-0.25)	70 (40-90)	0.20 (0.15-0.30)	90 (50-110)	0.25 (0.20-0.40)	100 (60-110)	0.3 (0.20-0.40)
S Lega resistente al calore	-	20 (10-25)	0.10 (0.05-0.15)	25 (15-30)	0.12 (0.05-0.15)	25 (15-30)	0.15 (0.10-0.20)	30 (25-35)	0.15 (0.10-0.20)

● PUNTA MPS (l/d=15-30), PUNTA MSL (l/d=20-30)

Materiale da lavorare	Diametro della punta Condizioni Durezza	φ3.0-φ6.0		φ6.0-φ10.0		φ10.0-φ14.0	
		Velocità di taglio (m/min)	Avanzamento (mm/giro)	Velocità di taglio (m/min)	Avanzamento (mm/giro)	Velocità di taglio (m/min)	Avanzamento (mm/giro)
P Acciaio dolce	≤ 180HB	85 (35-100)	0.20 (0.15-0.25)	85 (45-120)	0.25 (0.15-0.35)	90 (55-120)	0.30 (0.20-0.35)
	180-280HB	80 (40-95)	0.20 (0.15-0.25)	90 (50-120)	0.25 (0.20-0.35)	90 (60-130)	0.30 (0.15-0.35)
	280-350HB	75 (35-80)	0.15 (0.15-0.20)	80 (45-115)	0.20 (0.15-0.25)	85 (55-115)	0.25 (0.15-0.30)
M Acciaio inossidabile	≤ 200HB	50 (20-80)	0.10 (0.05-0.15)	60 (20-90)	0.12 (0.05-0.15)	70 (20-90)	0.15 (0.10-0.20)
K Ghisa	Resistenza alla trazione ≤ 350MPa	70 (40-85)	0.25 (0.15-0.30)	75 (50-90)	0.30 (0.20-0.35)	80 (50-95)	0.35 (0.20-0.40)
	Resistenza alla trazione ≤ 450MPa	65 (35-80)	0.20 (0.15-0.25)	70 (45-85)	0.25 (0.15-0.30)	75 (45-90)	0.30 (0.20-0.35)
S Lega resistente al calore	-	20 (10-25)	0.10 (0.05-0.15)	25 (15-30)	0.12 (0.05-0.15)	25 (15-30)	0.15 (0.10-0.20)

● PUNTA MPS (l/d=35-40)

Materiale da lavorare	Diametro della punta Condizioni Durezza	φ3.0-φ4.0		φ5.0-φ6.0		φ6.0-φ9.0	
		Velocità di taglio (m/min)	Avanzamento (mm/giro)	Velocità di taglio (m/min)	Avanzamento (mm/giro)	Velocità di taglio (m/min)	Avanzamento (mm/giro)
P Acciaio dolce	≤ 180HB	60 (50-70)	0.18 (0.13-0.20)	70 (55-80)	0.20 (0.15-0.23)	75 (60-85)	0.25 (0.18-0.28)
	180-280HB	55 (40-65)	0.15 (0.10-0.18)	65 (45-75)	0.18 (0.13-0.22)	70 (55-80)	0.23 (0.15-0.25)
	280-350HB	50 (40-60)	0.12 (0.08-0.15)	55 (40-65)	0.17 (0.13-0.20)	60 (40-75)	0.20 (0.15-0.23)
M Acciaio inossidabile	≤ 200HB	35 (30-45)	0.10 (0.07-0.15)	40 (30-50)	0.12 (0.08-0.15)	45 (30-60)	0.15 (0.13-0.20)
K Ghisa	Resistenza alla trazione ≤ 350MPa	55 (35-70)	0.15 (0.10-0.20)	60 (40-65)	0.20 (0.15-0.23)	60 (45-70)	0.23 (0.18-0.28)
	Resistenza alla trazione ≤ 450MPa	45 (30-60)	0.12 (0.08-0.15)	50 (40-60)	0.17 (0.13-0.20)	55 (40-65)	0.20 (0.15-0.23)
S Lega resistente al calore	-	15 (10-25)	0.07 (0.05-0.10)	20 (10-25)	0.07 (0.05-0.10)	20 (10-25)	0.10 (0.06-0.12)

Le condizioni di lavorazione possono variare notevolmente; servirsi delle tabelle sopra riportate solo come riferimento e regolare i valori in funzione delle condizioni esistenti.

Per punte di lunghezza superiore a l/d=10 è consigliabile praticare un foro pilota.