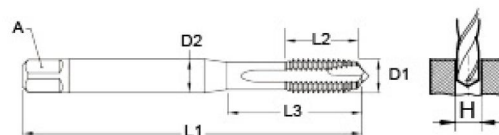
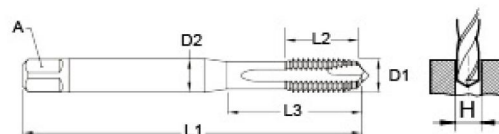


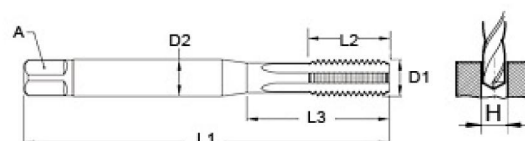
Order No	D1	P	D2	A	 (mm)	L1	L2
14100200	M2	0.40	2.80	2.10	1.60	45.00	8.00
14100250	M2.5	0.45	2.80	2.10	2.05	50.00	8.00
14100300	M3	0.50	3.50	2.70	2.50	56.00	10.00
14100400	M4	0.70	4.50	3.40	3.30	63.00	12.00
14100500	M5	0.80	6.00	4.90	4.20	70.00	14.00
14100600	M6	1.00	6.00	4.90	5.00	80.00	16.00
14100800	M8	1.25	8.00	6.20	6.80	90.00	18.00
14101000	M10	1.50	10.00	8.00	8.50	100.00	20.00
14201200	M12	1.75	9.00	7.00	10.20	110.00	24.00
14201400	M14	2.00	11.00	9.00	12.00	110.00	26.00
14201600	M16	2.00	12.00	9.00	14.00	110.00	26.00
14201800	M18	2.50	14.00	11.00	15.50	125.00	30.00
14202000	M20	2.50	16.00	12.00	17.50	140.00	32.00
14202400	M24	3.00	18.00	14.50	21.00	160.00	36.00
14203000	M30	3.50	22.00	18.00	26.50	180.00	40.00



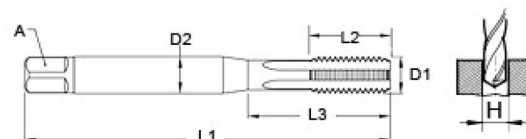
Order No	D1	P	D2	A	 (mm)	L1	L2
14300200	M2	0.40	2.80	2.10	1.60	45.00	8.00
14300250	M2.5	0.45	2.80	2.10	2.05	50.00	8.00
14300300	M3	0.50	3.50	2.70	2.50	56.00	10.00
14300400	M4	0.70	4.50	3.40	3.30	63.00	12.00
14300500	M5	0.80	6.00	4.90	4.20	70.00	14.00
14300600	M6	1.00	6.00	4.90	5.00	80.00	16.00
14300800	M8	1.25	8.00	6.20	6.80	90.00	18.00
14301000	M10	1.50	10.00	8.00	8.50	100.00	20.00
14401200	M12	1.75	9.00	7.00	10.20	110.00	24.00
14401400	M14	2.00	11.00	9.00	12.00	110.00	26.00
14401600	M16	2.00	12.00	9.00	14.00	110.00	26.00
14401800	M18	2.50	14.00	11.00	15.50	125.00	30.00
14402000	M20	2.50	16.00	12.00	17.50	140.00	32.00
14402400	M24	3.00	18.00	14.50	21.00	160.00	36.00
14403000	M30	3.50	22.00	18.00	26.50	180.00	40.00



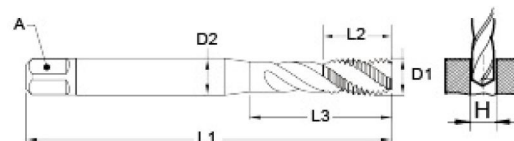
Order No	D1	P	D2	A	 (mm)	L1	L2
14500200	M2	0.40	2.80	2.10	1.60	45.00	8.00
14500250	M2.5	0.45	2.80	2.10	2.05	50.00	8.00
14500300	M3	0.50	3.50	2.70	2.50	56.00	10.00
14500400	M4	0.70	4.50	3.40	3.30	63.00	12.00
14500500	M5	0.80	6.00	4.90	4.20	70.00	14.00
14500600	M6	1.00	6.00	4.90	5.00	80.00	16.00
14500800	M8	1.25	8.00	6.20	6.80	90.00	18.00
14501000	M10	1.50	10.00	8.00	8.50	100.00	20.00
14601200	M12	1.75	9.00	7.00	10.20	110.00	24.00
14601400	M14	2.00	11.00	9.00	12.00	110.00	26.00
14601600	M16	2.00	12.00	9.00	14.00	110.00	26.00
14601800	M18	2.50	14.00	11.00	15.50	125.00	30.00
14602000	M20	2.50	16.00	12.00	17.50	140.00	32.00
14602400	M24	3.00	18.00	14.50	21.00	160.00	36.00
14603000	M30	3.50	22.00	18.00	26.50	180.00	40.00



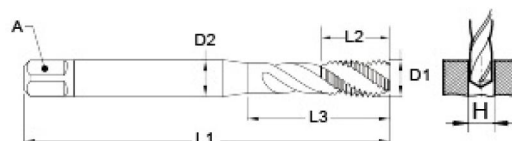
Order No	D1	P	D2	A	 (mm)	L1	L2
14700200	M2	0.40	2.80	2.10	1.60	45.00	8.00
14700250	M2.5	0.45	2.80	2.10	2.05	50.00	8.00
14700300	M3	0.50	3.50	2.70	2.50	56.00	10.00
14700400	M4	0.70	4.50	3.40	3.30	63.00	12.00
14700500	M5	0.80	6.00	4.90	4.20	70.00	14.00
14700600	M6	1.00	6.00	4.90	5.00	80.00	16.00
14700800	M8	1.25	8.00	6.20	6.80	90.00	18.00
14701000	M10	1.50	10.00	8.00	8.50	100.00	20.00
14801200	M12	1.75	9.00	7.00	10.20	110.00	24.00
14801400	M14	2.00	11.00	9.00	12.00	110.00	26.00
14801600	M16	2.00	12.00	9.00	14.00	110.00	26.00
14801800	M18	2.50	14.00	11.00	15.50	125.00	30.00
14802000	M20	2.50	16.00	12.00	17.50	140.00	32.00
14802400	M24	3.00	18.00	14.50	21.00	160.00	36.00
14803000	M30	3.50	22.00	18.00	26.50	180.00	40.00



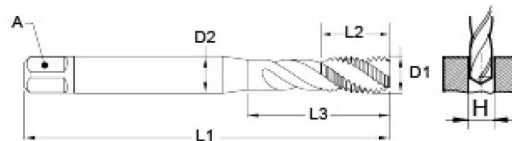
Order No	D1	P	D2	A	 (mm)	L1	L2
14900200	M2	0.40	2.80	2.10	1.60	45.00	8.00
14900250	M2.5	0.45	2.80	2.10	2.05	50.00	8.00
14900300	M3	0.50	3.50	2.70	2.50	56.00	10.00
14900400	M4	0.70	4.50	3.40	3.30	63.00	12.00
14900500	M5	0.80	6.00	4.90	4.20	70.00	14.00
14900600	M6	1.00	6.00	4.90	5.00	80.00	16.00
14900800	M8	1.25	8.00	6.20	6.80	90.00	18.00
14901000	M10	1.50	10.00	8.00	8.50	100.00	20.00
15001200	M12	1.75	9.00	7.00	10.20	110.00	24.00
15001400	M14	2.00	11.00	9.00	12.00	110.00	26.00
15001600	M16	2.00	12.00	9.00	14.00	110.00	26.00
15001800	M18	2.50	14.00	11.00	15.50	125.00	30.00
15002000	M20	2.50	16.00	12.00	17.50	140.00	32.00
15002400	M24	3.00	18.00	14.50	21.00	160.00	36.00
15003000	M30	3.50	22.00	18.00	26.50	180.00	40.00



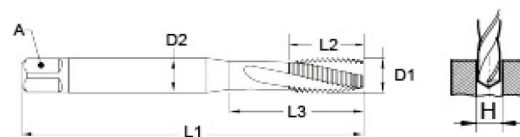
Order No	D1	P	D2	A	 (mm)	L1	L2
15100200	M2	0.40	2.80	2.10	1.60	45.00	6.00
15100250	M2.5	0.45	2.80	2.10	2.05	50.00	6.00
15100300	M3	0.50	3.50	2.70	2.50	56.00	6.00
15100400	M4	0.70	4.50	3.40	3.30	63.00	7.50
15100500	M5	0.80	6.00	4.90	4.20	70.00	8.50
15100600	M6	1.00	6.00	4.90	5.00	80.00	11.00
15100800	M8	1.25	8.00	6.20	6.80	90.00	14.00
15101000	M10	1.50	10.00	8.00	8.50	100.00	16.00
15201200	M12	1.75	9.00	7.00	10.20	110.00	18.50
15201400	M14	2.00	11.00	9.00	12.00	110.00	20.00
15201600	M16	2.00	12.00	9.00	14.00	110.00	20.00
15201800	M18	2.50	14.00	11.00	15.50	125.00	25.00
15202000	M20	2.50	16.00	12.00	17.50	140.00	25.00
15202400	M24	3.00	18.00	14.50	21.00	160.00	30.00
15203000	M30	3.50	22.00	18.00	26.50	180.00	35.00



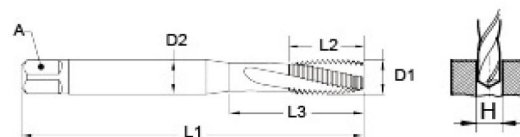
Order No	D1	P	D2	A	 (mm)	L1	L2
15300200	M2	0.40	2.80	2.10	1.60	45.00	6.00
15300250	M2.5	0.45	2.80	2.10	2.05	50.00	6.00
15300300	M3	0.50	3.50	2.70	2.50	56.00	6.00
15300400	M4	0.70	4.50	3.40	3.30	63.00	7.50
15300500	M5	0.80	6.00	4.90	4.20	70.00	8.50
15300600	M6	1.00	6.00	4.90	5.00	80.00	11.00
15300800	M8	1.25	8.00	6.20	6.80	90.00	14.00
15301000	M10	1.50	10.00	8.00	8.50	100.00	16.00
15401200	M12	1.75	9.00	7.00	10.20	110.00	18.50
15401400	M14	2.00	11.00	9.00	12.00	110.00	20.00
15401600	M16	2.00	12.00	9.00	14.00	110.00	20.00
15401800	M18	2.50	14.00	11.00	15.50	125.00	25.00
15402000	M20	2.50	16.00	12.00	17.50	140.00	25.00
15402400	M24	3.00	18.00	14.50	21.00	160.00	30.00
15403000	M30	3.50	22.00	18.00	26.50	180.00	35.00



Order No	D1	P	D2	A	 (mm)	L1	L2
15500200	M2	0.40	2.80	2.10	1.60	45.00	6.00
15500250	M2.5	0.45	2.80	2.10	2.05	50.00	6.00
15500300	M3	0.50	3.50	2.70	2.50	56.00	6.00
15500400	M4	0.70	4.50	3.40	3.30	63.00	7.50
15500500	M5	0.80	6.00	4.90	4.20	70.00	8.50
15500600	M6	1.00	6.00	4.90	5.00	80.00	11.00
15500800	M8	1.25	8.00	6.20	6.80	90.00	14.00
15501000	M10	1.50	10.00	8.00	8.50	100.00	16.00
15601200	M12	1.75	9.00	7.00	10.20	110.00	18.50
15601400	M14	2.00	11.00	9.00	12.00	110.00	20.00
15601600	M16	2.00	12.00	9.00	14.00	110.00	20.00
15601800	M18	2.50	14.00	11.00	15.50	125.00	25.00
15602000	M20	2.50	16.00	12.00	17.50	140.00	25.00
15602400	M24	3.00	18.00	14.50	21.00	160.00	30.00
15603000	M30	3.50	22.00	18.00	26.50	180.00	35.00



Order No	D1	P	D2	A	 [mm]	L1	L2
15700200	M2	0.40	2.80	2.10	1.83	45.00	6.00
15700250	M2.5	0.45	2.80	2.10	2.30	50.00	6.00
15700300	M3	0.50	3.50	2.70	2.80	56.00	6.00
15700400	M4	0.70	4.50	3.40	3.70	63.00	7.50
15700500	M5	0.80	6.00	4.90	4.65	70.00	8.50
15700600	M6	1.00	6.00	4.90	5.55	90.00	11.00
15700800	M8	1.25	8.00	6.20	7.40	90.00	14.00
15701000	M10	1.50	10.00	8.00	9.30	100.00	16.00
15801200	M12	1.75	9.00	7.00	10.20	110.00	18.50
15801400	M14	2.00	11.00	9.00	12.00	110.00	20.00
15801600	M16	2.00	12.00	9.00	14.00	110.00	20.00
15801800	M18	2.50	14.00	11.00	15.50	125.00	25.00
15802000	M20	2.50	16.00	12.00	17.50	140.00	25.00
15802400	M24	3.00	18.00	14.50	21.00	160.00	30.00
15803000	M30	3.50	22.00	18.00	26.50	180.00	35.00



Order No	D1	P	D2	A	 [mm]	L1	L2
15900200	M2	0.40	2.80	2.10	1.83	45.00	6.00
15900250	M2.5	0.45	2.80	2.10	2.30	50.00	6.00
15900300	M3	0.50	3.50	2.70	2.80	56.00	6.00
15900400	M4	0.70	4.50	3.40	3.70	63.00	7.50
15900500	M5	0.80	6.00	4.90	4.65	70.00	8.50
15900600	M6	1.00	6.00	4.90	5.55	90.00	11.00
15900800	M8	1.25	8.00	6.20	7.40	90.00	14.00
15901000	M10	1.50	10.00	8.00	9.30	100.00	16.00
16001200	M12	1.75	9.00	7.00	10.20	110.00	18.50
16001400	M14	2.00	11.00	9.00	12.00	110.00	20.00
16001600	M16	2.00	12.00	9.00	14.00	110.00	20.00
16001800	M18	2.50	14.00	11.00	15.50	125.00	25.00
16002000	M20	2.50	16.00	12.00	17.50	140.00	25.00
16002400	M24	3.00	18.00	14.50	21.00	160.00	30.00
16003000	M30	3.50	22.00	18.00	26.50	180.00	35.00

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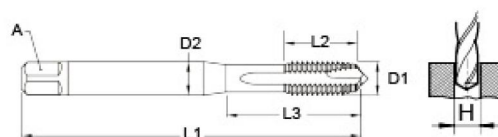
P

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Order No	D1	P	D2	A	 [mm]	L1	L2
16100200	M2	0.40	2.80	2.10	1.60	45.00	8.00
16100250	M2.5	0.45	2.80	2.10	2.05	50.00	8.00
16100300	M3	0.50	3.50	2.70	2.50	56.00	10.00
16100400	M4	0.70	4.50	3.40	3.30	63.00	12.00
16100500	M5	0.80	6.00	4.90	4.20	70.00	14.00
16100600	M6	1.00	6.00	4.90	5.00	80.00	16.00
16100800	M8	1.25	8.00	6.20	6.80	90.00	18.00
16101000	M10	1.50	10.00	8.00	8.50	100.00	20.00
16201200	M12	1.75	9.00	7.00	10.20	110.00	24.00
16201400	M14	2.00	11.00	9.00	12.00	110.00	26.00
16201600	M16	2.00	12.00	9.00	14.00	110.00	26.00
16201800	M18	2.50	14.00	11.00	15.50	125.00	30.00
16202000	M20	2.50	16.00	12.00	17.50	140.00	32.00
16202400	M24	3.00	18.00	14.50	21.00	160.00	36.00
16203000	M30	3.50	22.00	18.00	26.50	180.00	40.00

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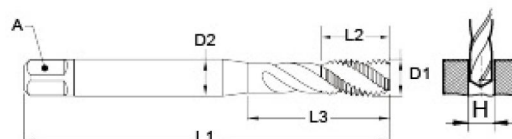
P

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M

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Order No	D1	P	D2	A	 [mm]	L1	L2
16300200	M2	0.40	2.80	2.10	1.60	45.00	6.00
16300250	M2.5	0.45	2.80	2.10	2.05	50.00	6.00
16300300	M3	0.50	3.50	2.70	2.50	56.00	6.00
16300400	M4	0.70	4.50	3.40	3.30	63.00	7.50
16300500	M5	0.80	6.00	4.90	4.20	70.00	8.50
16300600	M6	1.00	6.00	4.90	5.00	80.00	11.00
16300800	M8	1.25	8.00	6.20	6.80	90.00	14.00
16301000	M10	1.50	10.00	8.00	8.50	100.00	16.00
16401200	M12	1.75	9.00	7.00	10.20	110.00	18.50
16401400	M14	2.00	11.00	9.00	12.00	110.00	20.00
16401600	M16	2.00	12.00	9.00	14.00	110.00	20.00
16401800	M18	2.50	14.00	11.00	15.50	125.00	25.00
16402000	M20	2.50	16.00	12.00	17.50	140.00	25.00
16402400	M24	3.00	18.00	14.50	21.00	160.00	30.00
16403000	M30	3.50	22.00	18.00	26.50	180.00	35.00

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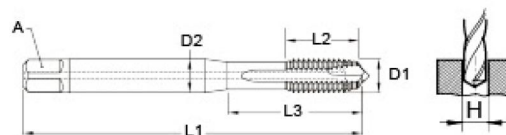
P

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M

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Order No	D1	P	D2	A	 [mm]	L1	L2
16500200	M2	0.40	2.80	2.10	1.60	45.00	8.00
16500250	M2.5	0.45	2.80	2.10	2.05	50.00	8.00
16500300	M3	0.50	3.50	2.70	2.50	56.00	10.00
16500400	M4	0.70	4.50	3.40	3.30	63.00	12.00
16500500	M5	0.80	6.00	4.90	4.20	70.00	14.00
16500600	M6	1.00	6.00	4.90	5.00	80.00	16.00
16500800	M8	1.25	8.00	6.20	6.80	90.00	18.00
16501000	M10	1.50	10.00	8.00	8.50	100.00	20.00
16601200	M12	1.75	9.00	7.00	10.20	110.00	24.00
16601400	M14	2.00	11.00	9.00	12.00	110.00	26.00
16601600	M16	2.00	12.00	9.00	14.00	110.00	26.00
16601800	M18	2.50	14.00	11.00	15.50	125.00	30.00
16602000	M20	2.50	16.00	12.00	17.50	140.00	32.00
16602400	M24	3.00	18.00	14.50	21.00	160.00	36.00
16603000	M30	3.50	22.00	18.00	26.50	180.00	40.00

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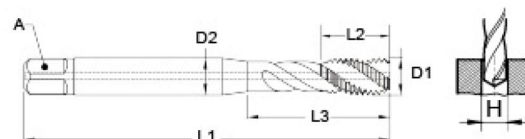
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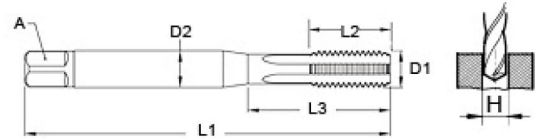
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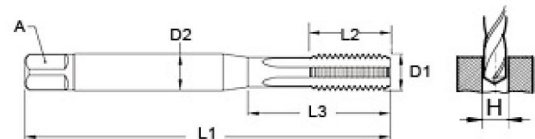
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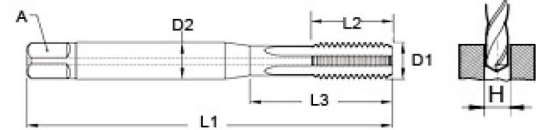
Order No	D1	P	D2	A	 [mm]	L1	L2
16700200	M2	0.40	2.80	2.10	1.60	45.00	6.00
16700250	M2.5	0.45	2.80	2.10	2.05	50.00	6.00
16700300	M3	0.50	3.50	2.70	2.50	56.00	6.00
16700400	M4	0.70	4.50	3.40	3.30	63.00	7.50
16700500	M5	0.80	6.00	4.90	4.20	70.00	8.50
16700600	M6	1.00	6.00	4.90	5.00	80.00	11.00
16700800	M8	1.25	8.00	6.20	6.80	90.00	14.00
16701000	M10	1.50	10.00	8.00	8.50	100.00	16.00
16801200	M12	1.75	9.00	7.00	10.20	110.00	18.50
16801400	M14	2.00	11.00	9.00	12.00	110.00	20.00
16801600	M16	2.00	12.00	9.00	14.00	110.00	20.00
16801800	M18	2.50	14.00	11.00	15.50	125.00	25.00
16802000	M20	2.50	16.00	12.00	17.50	140.00	25.00
16802400	M24	3.00	18.00	14.50	21.00	160.00	30.00
16803000	M30	3.50	22.00	18.00	26.50	180.00	35.00



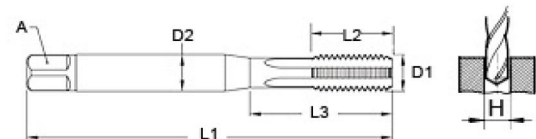
Order No	D1	P	D2	A	 [mm]	L1	L2
17100200	M2	0.40	2.80	2.10	1.85	45.00	7.00
17100250	M2.5	0.45	2.80	2.10	2.30	50.00	9.00
17100300	M3	0.50	3.50	2.70	2.80	56.00	10.00
17100400	M4	0.70	4.50	3.40	3.70	63.00	12.00
17100500	M5	0.80	6.00	4.90	4.65	70.00	14.00
17100600	M6	1.00	6.00	4.90	5.55	80.00	16.00
17100800	M8	1.25	8.00	6.20	7.40	90.00	18.00
17101000	M10	1.50	10.00	8.00	9.30	100.00	20.00
17201200	M12	1.75	9.00	7.00	11.20	110.00	24.00
17201400	M14	2.00	11.00	9.00	13.10	110.00	25.00
17201600	M16	2.00	12.00	9.00	15.10	110.00	28.00
17201800	M18	2.50	14.00	11.00	16.90	125.00	28.00
17202000	M20	2.50	16.00	12.00	18.90	140.00	30.00



Order No	D1	P	D2	A	 [mm]	L1	L2
17300200	M2	0.40	2.80	2.10	1.85	45.00	7.00
17300250	M2.5	0.45	2.80	2.10	2.30	50.00	9.00
17300300	M3	0.50	3.50	2.70	2.80	56.00	10.00
17300400	M4	0.70	4.50	3.40	3.70	63.00	12.00
17300500	M5	0.80	6.00	4.90	4.65	70.00	14.00
17300600	M6	1.00	6.00	4.90	5.55	80.00	16.00
17400800	M8	1.25	8.00	6.20	7.40	90.00	18.00
17401000	M10	1.50	10.00	8.00	9.30	100.00	20.00
17401200	M12	1.75	9.00	7.00	11.20	110.00	24.00
17401400	M14	2.00	11.00	9.00	13.10	110.00	25.00
17401600	M16	2.00	12.00	9.00	15.10	110.00	28.00
17401800	M18	2.50	14.00	11.00	16.90	125.00	28.00
17402000	M20	2.50	16.00	12.00	18.90	140.00	30.00



Order No	D1	P	D2	A	 [mm]	L1	L2
17500200	M2	0.40	2.80	2.10	1.85	45.00	7.00
17500250	M2.5	0.45	2.80	2.10	2.30	50.00	9.00
17500300	M3	0.50	3.50	2.70	2.80	56.00	10.00
17500400	M4	0.70	4.50	3.40	3.70	63.00	12.00
17500500	M5	0.80	6.00	4.90	4.65	70.00	14.00
17500600	M6	1.00	6.00	4.90	5.55	80.00	16.00
17500800	M8	1.25	8.00	6.20	7.40	90.00	18.00
17501000	M10	1.50	10.00	8.00	9.30	100.00	20.00
17601200	M12	1.75	9.00	7.00	11.20	110.00	24.00
17601400	M14	2.00	11.00	9.00	13.10	110.00	25.00
17601600	M16	2.00	12.00	9.00	15.10	110.00	28.00
17601800	M18	2.50	14.00	11.00	16.90	125.00	28.00
17602000	M20	2.50	16.00	12.00	18.90	140.00	30.00



Order No	D1	P	D2	A	 [mm]	L1	L2
17700200	M2	0.40	2.80	2.10	1.85	45.00	7.00
17700250	M2.5	0.45	2.80	2.10	2.30	50.00	9.00
17700300	M3	0.50	3.50	2.70	2.80	56.00	10.00
17700400	M4	0.70	4.50	3.40	3.70	63.00	12.00
17700500	M5	0.80	6.00	4.90	4.65	70.00	14.00
17700600	M6	1.00	6.00	4.90	5.55	80.00	16.00
17700800	M8	1.25	8.00	6.20	7.40	90.00	18.00
17701000	M10	1.50	10.00	8.00	9.30	100.00	20.00
17801200	M12	1.75	9.00	7.00	11.20	110.00	24.00
17801400	M14	2.00	11.00	9.00	13.10	110.00	25.00
17801600	M16	2.00	12.00	9.00	15.10	110.00	28.00
17801800	M18	2.50	14.00	11.00	16.90	125.00	28.00
17802000	M20	2.50	16.00	12.00	18.90	140.00	30.00

Carbide

DIN
371/376

ISO 2
6H



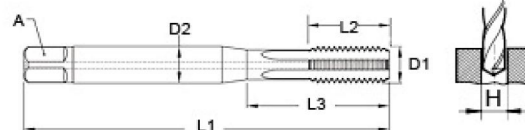
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N

M



Order No	D1	P	D2	A	 [mm]	L1	L2
17900200	M2	0.40	2.80	2.10	1.85	45.00	7.00
17900250	M2.5	0.45	2.80	2.10	2.30	50.00	9.00
17900300	M3	0.50	3.50	2.70	2.80	56.00	10.00
17900400	M4	0.70	4.50	3.40	3.70	63.00	12.00
17900500	M5	0.80	6.00	4.90	4.65	70.00	14.00
17900600	M6	1.00	6.00	4.90	5.55	80.00	16.00
17900800	M8	1.25	8.00	6.20	7.40	90.00	18.00
17901000	M10	1.50	10.00	8.00	9.30	100.00	20.00
18001200	M12	1.75	9.00	7.00	11.20	110.00	24.00
18001400	M14	2.00	11.00	9.00	13.10	110.00	25.00
18001600	M16	2.00	12.00	9.00	15.10	110.00	28.00
18001800	M18	2.50	14.00	11.00	16.90	125.00	28.00
18002000	M20	2.50	16.00	12.00	18.90	140.00	30.00

HSSE

DIN
5156

ISO 2
6H

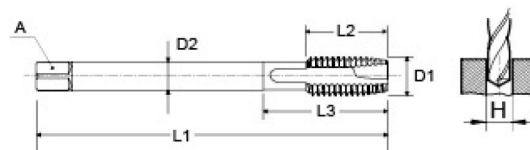


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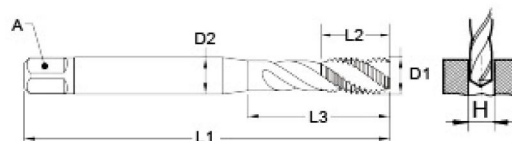
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K

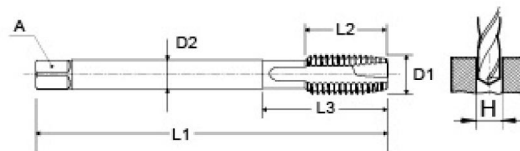
M



Order No	G	P	D1	L1	L2	D2	A	Z	 [mm]
18100300	1/8"	28	9.728	90.00	18.00	7.00	5.50	4.00	8.80
18100400	1/4"	19	13.157	100.00	22.00	11.00	9.00	4.00	11.80
18100500	3/8"	19	16.662	100.00	22.00	12.00	9.00	4.00	15.25
18100600	1/2"	14	20.955	125.00	25.00	16.00	12.00	4.00	19.00
18100700	5/8"	14	22.911	125.00	25.00	18.00	14.50	4.00	21.00
18100800	3/4"	14	26.441	140.00	28.00	20.00	16.00	4.00	24.50
18100900	7/8"	14	30.201	150.00	28.00	22.00	18.00	4.00	28.25
18101000	1"	11	33.249	160.00	30.00	25.00	20.00	4.00	30.75
18101100	1 1/8"	11	37.897	170.00	30.00	28.00	22.00	5.00	35.50
18101200	1 1/4"	11	41.91	170.00	30.00	32.00	24.00	5.00	39.50
18101300	1 1/2"	11	47.803	190.00	32.00	36.00	29.00	5.00	45.25



Order No	G	P	D1	L1	L2	D2	A	Z	 [mm]
18200300	1/8"	28	9.728	90.00	17.00	7.00	5.50	3.00	8.80
18200400	1/4"	19	13.157	100.00	23.00	11.00	9.00	4.00	11.80
18200500	3/8"	19	16.662	100.00	23.00	12.00	9.00	4.00	15.25
18200600	1/2"	14	20.955	125.00	29.00	16.00	12.00	5.00	19.00
18200700	5/8"	14	22.911	125.00	29.00	18.00	14.50	5.00	21.00
18200800	3/4"	14	26.441	140.00	29.00	20.00	16.00	5.00	24.50
18200900	7/8"	14	30.201	150.00	32.00	22.00	18.00	5.00	28.25
18201000	1"	11	33.249	160.00	34.50	25.00	20.00	5.00	30.75
18201100	1 1/8"	11	37.897	170.00	34.50	28.00	22.00	5.00	35.50
18201200	1 1/4"	11	41.91	170.00	34.50	32.00	24.00	5.00	39.50
18201300	1 1/2"	11	47.803	190.00	37.50	36.00	29.00	6.00	45.25



Order No	UNC	P	D1	L1	L2	D2	A	Z	 [mm]
18300300	Nr.2	56	2.184	45.00	8.00	2.80	2.10	2.00	1.85
18300400	Nr.3	48	2.515	50.00	9.00	2.80	2.10	3.00	2.10
18300500	Nr.4	40	2.845	56.00	10.00	3.50	2.70	3.00	2.35
18300600	Nr.5	40	3.175	56.00	10.00	3.50	2.70	3.00	2.65
18300700	Nr.6	32	3.505	56.00	11.00	4.00	3.00	3.00	2.85
18300800	Nr.8	32	4.166	63.00	13.00	4.50	3.40	3.00	3.50
18300900	Nr.10	24	4.826	70.00	16.00	6.00	4.90	3.00	3.90
18301000	Nr.12	24	5.486	80.00	16.00	6.00	4.90	3.00	4.50
18301100	1/4"	20	6.35	80.00	17.00	7.00	5.50	3.00	5.10
18301200	5/16"	18	7.938	90.00	18.00	6.00	4.90	3.00	6.60
18301300	3/8"	16	9.525	100.00	22.00	7.00	5.50	3.00	8.00
18301400	7/16"	14	11.113	100.00	24.00	8.00	6.20	3.00	9.40
18301500	1/2"	13	12.70	110.00	26.00	9.00	7.00	3.00	10.80
18301600	9/16"	12	14.288	110.00	28.00	11.00	9.00	3.00	12.20
18301700	5/8"	11	15.875	110.00	28.00	12.00	9.00	3.00	13.50
18301800	3/4"	10	19.05	125.00	32.00	14.00	11.00	4.00	16.50
18301900	7/8"	9	22.225	140.00	32.00	18.00	14.50	4.00	19.50
18302000	1"	8	25.40	160.00	36.00	18.00	14.50	4.00	22.25
18302100	1 1/4"	7	31.75	180.00	40.00	22.00	18.00	4.00	28.00
18302200	1 1/4"	6	38.10	200.00	50.00	28.00	22.00	4.00	34.00

HSSE

UNC

ISO 2
6H



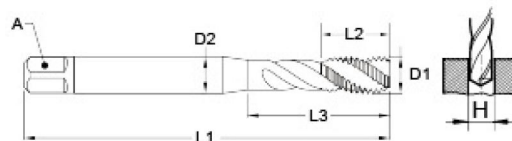
TiAlN

P

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N

M



Order No	UNC	P	D1	L1	L2	D2	A	Z	 [mm]
18400300	Nr.2	56	2.184	45.00	6.00	2.80	2.10	3.00	1.85
18400400	Nr.3	48	2.515	50.00	6.00	2.80	2.10	3.00	2.10
18400500	Nr.4	40	2.845	56.00	6.50	3.50	2.70	3.00	2.35
18400600	Nr.5	40	3.175	56.00	6.50	3.50	2.70	3.00	2.65
18400700	Nr.6	32	3.505	56.00	7.50	4.00	3.00	3.00	2.85
18400800	Nr.8	32	4.166	63.00	7.50	4.50	3.40	3.00	3.50
18400900	Nr.10	24	4.826	70.00	10.00	6.00	4.90	3.00	3.90
18401000	Nr.12	24	5.486	80.00	10.00	6.00	4.90	3.00	4.50
18401100	1/4"	20	6.35	80.00	11.50	7.00	5.50	3.00	5.10
18401200	5/16"	18	7.938	90.00	13.00	6.00	4.90	3.00	6.60
18401300	3/8"	16	9.525	100.00	14.00	7.00	5.50	3.00	8.00
18401400	7/16"	14	11.113	100.00	17.00	8.00	6.20	3.00	9.40
18401500	1/2"	13	12.70	110.00	19.00	9.00	7.00	4.00	10.80
18401600	9/16"	12	14.288	110.00	21.00	11.00	9.00	4.00	12.20
18401700	5/8"	11	15.875	110.00	22.50	12.00	9.00	4.00	13.50
18401800	3/4"	10	19.05	125.00	26.00	14.00	11.00	4.00	16.50
18401900	7/8"	9	22.225	140.00	30.00	18.00	14.50	4.00	19.50
18402000	1"	8	25.40	160.00	36.50	18.00	14.50	4.00	22.25
18402100	1 1/4"	7	31.75	180.00	42.00	22.00	18.00	5.00	28.00
18402200	1 1/4"	6	38.10	200.00	49.00	28.00	22.00	5.00	34.00

HSSE

UNF

ISO 2
6H



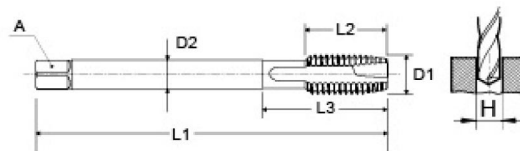
TiN

P

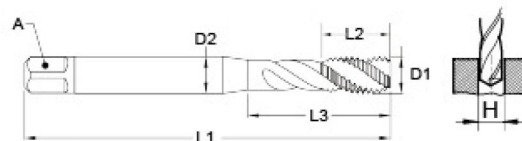
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N

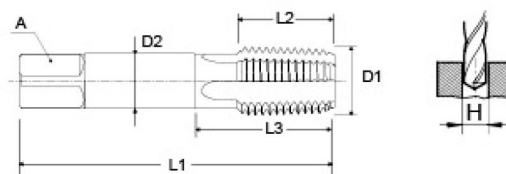
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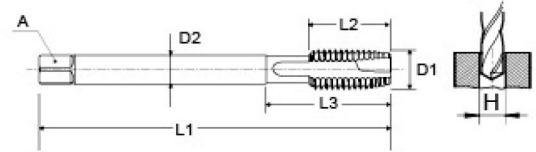
Order No	UNF	P	D1	L1	L2	D2	A	Z	 [mm]
18500300	Nr.2	64	2.184	45.00	8.00	2.80	2.10	2.00	1.85
18500400	Nr.3	56	2.515	50.00	9.00	2.80	2.10	3.00	2.15
18500500	Nr.4	48	2.845	56.00	10.00	3.50	2.70	3.00	2.40
18500600	Nr.5	44	3.175	56.00	10.00	3.50	2.70	3.00	2.70
18500700	Nr.6	40	3.505	56.00	11.00	4.00	3.00	3.00	2.95
18500800	Nr.8	36	4.166	63.00	12.00	4.50	3.40	3.00	3.50
18500900	Nr.10	32	4.826	70.00	14.00	6.00	4.90	3.00	4.10
18501000	Nr.12	28	5.486	80.00	16.00	6.00	4.90	3.00	4.60
18501100	1/4"	28	6.35	80.00	16.00	7.00	5.50	3.00	5.50
18501200	5/16"	24	7.938	90.00	18.00	6.00	4.90	3.00	6.90
18501300	3/8"	24	9.525	90.00	18.00	7.00	5.50	3.00	8.50
18501400	7/16"	20	11.113	100.00	20.00	8.00	6.20	3.00	9.90
18501500	1/2"	20	12.70	100.00	22.00	9.00	7.00	4.00	11.50
18501600	9/16"	18	14.288	100.00	22.00	11.00	9.00	4.00	12.90
18501700	5/8"	18	15.875	100.00	22.00	12.00	9.00	4.00	14.50
18501800	3/4"	16	19.05	110.00	25.00	14.00	11.00	4.00	17.50
18501900	7/8"	14	22.225	125.00	25.00	18.00	14.50	4.00	20.40
18502000	1"	12	25.40	140.00	28.00	18.00	14.50	4.00	23.25
18502100	1 1/4"	12	31.75	150.00	28.00	22.00	18.00	4.00	29.50
18502200	1 1/4"	12	38.10	170.00	30.00	28.00	22.00	5.00	36.00



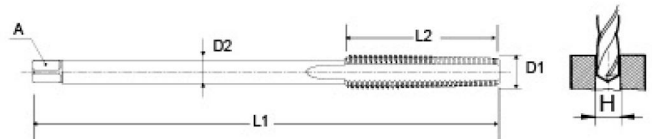
Order No	UNF	P	D1	L1	L2	D2	A	Z	 [mm]
18600300	Nr.2	64	2.184	45.00	5.50	2.80	2.10	3.00	1.85
18600400	Nr.3	56	2.515	50.00	6.00	2.80	2.10	3.00	2.15
18600500	Nr.4	48	2.845	56.00	6.00	3.50	2.70	3.00	2.40
18600600	Nr.5	44	3.175	56.00	6.00	3.50	2.70	3.00	2.70
18600700	Nr.6	40	3.505	56.00	6.50	4.00	3.00	3.00	2.95
18600800	Nr.8	36	4.166	63.00	7.00	4.50	3.40	3.00	3.50
18600900	Nr.10	32	4.826	70.00	8.00	6.00	4.90	3.00	4.10
18601000	Nr.12	28	5.486	80.00	9.00	6.00	4.90	3.00	4.60
18601100	1/4"	28	6.35	80.00	10.00	7.00	5.50	3.00	5.50
18601200	5/16"	24	7.938	90.00	11.00	6.00	4.90	3.00	6.90
18601300	3/8"	24	9.525	90.00	12.00	7.00	5.50	3.00	8.50
18601400	7/16"	20	11.113	100.00	13.50	8.00	6.20	3.00	9.90
18601500	1/2"	20	12.70	100.00	14.50	9.00	7.00	4.00	11.50
18601600	9/16"	18	14.288	100.00	15.50	11.00	9.00	4.00	12.90
18601700	5/8"	18	15.875	100.00	16.00	12.00	9.00	4.00	14.50
18601800	3/4"	16	19.05	110.00	18.00	14.00	11.00	4.00	17.50
18601900	7/8"	14	22.225	125.00	23.50	18.00	14.50	4.00	20.40
18602000	1"	12	25.40	140.00	26.00	18.00	14.50	4.00	23.25
18602100	1 1/4"	12	31.75	150.00	26.00	22.00	18.00	5.00	29.50
18602200	1 1/4"	12	38.10	170.00	29.00	28.00	22.00	5.00	36.00



Order No	NPT	P	D1	L1	L2	D2	A	Z	 [mm]
18800300	1/16"	27	7.938	63.00	12.00	6.00	4.90	4.00	6.15
18800400	1/8"	27	10.287	63.00	12.00	7.00	5.50	4.00	8.50
18800500	1/4"	18	13.716	63.00	18.00	11.00	9.00	4.00	11.00
18800600	3/8"	18	17.145	70.00	18.00	12.00	9.00	4.00	14.50
18800700	1/2"	14	21.336	80.00	23.00	16.00	12.00	4.00	17.85
18800800	3/4"	14	26.67	100.00	24.00	20.00	16.00	5.00	23.20
18800900	1"	11 1/2	33.401	110.00	30.00	25.00	20.00	5.00	29.00
18801000	1 1/4"	11 1/2	42.164	125.00	32.00	32.00	24.00	5.00	37.80
18801100	1 1/2"	11 1/2	48.26	140.00	32.00	36.00	29.00	6.00	44.00
18801200	2"	11 1/2	60.325	160.00	34.00	45.00	35.00	6.00	56.00



Order No	D1	P	D2	A	 (mm)	L1	L2
24100200	M2	0.40	2.80	2.10	1.60	36.00	8.00
24100250	M2.5	0.45	2.80	2.10	2.05	40.00	9.00
24100300	M3	0.50	3.50	2.70	2.50	40.00	10.00
24100400	M4	0.70	4.50	3.40	3.30	45.00	12.00
24100500	M5	0.80	6.00	4.90	4.20	50.00	14.00
24100600	M6	1.00	6.00	4.90	5.00	56.00	16.00
24100800	M8	1.25	6.00	4.90	6.80	63.00	18.00
24101000	M10	1.50	7.00	5.50	8.50	70.00	20.00
24101200	M12	1.75	9.00	7.00	10.20	75.00	24.00
24101400	M14	2.00	11.00	9.00	12.00	80.00	26.00
24101600	M16	2.00	12.00	9.00	14.00	80.00	26.00
24101800	M18	2.50	14.00	11.00	15.50	95.00	30.00
24102000	M20	2.50	16.00	12.00	17.50	95.00	32.00
24102400	M24	3.00	18.00	14.50	21.00	110.00	36.00



Order No	D1	P	L1	L2	D2	A	Z	 (mm)
24300300	M 4	0.70	90.00	25.00	2.80	2.10	3.00	3.30
24300400	M5	0.80	100.00	28.00	3.50	2.40	3.00	4.20
24300500	M6	1.00	110.00	32.00	4.50	3.40	3.00	5.00
24300600	M8	1.25	125.00	40.00	6.00	4.90	3.00	6.80
24300700	M10	1.50	140.00	45.00	7.00	5.50	3.00	8.50
24300800	M12	1.75	180.00	50.00	9.00	7.00	3.00	10.20
24300900	M14	2.00	200.00	56.00	11.00	9.00	3.00	12.00
24301000	M16	2.00	200.00	63.00	12.00	9.00	3.00	14.00
24301100	M18	2.50	220.00	63.00	14.00	11.00	3.00	15.50
24301200	M20	2.50	250.00	70.00	16.00	12.00	3.00	17.50
24301300	M22	2.50	280.00	80.00	18.00	14.50	3.00	19.50
24301400	M24	3.00	280.00	80.00	18.00	14.50	3.00	21.00
24301500	M27	3.00	315.00	90.00	20.00	16.00	3.00	24.00
24301600	M30	3.50	315.00	100.00	22.00	18.00	3.00	26.50

Carbide

DIN
371/376

ISO 2
6H



RH

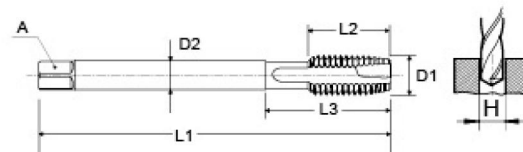
TiAlN

P

K

N

M



Order No	D1	P	D2	A	 (mm)	L1	L2
24500200	M2	0.40	2.80	2.10	1.60	45.00	8.00
24500250	M2.5	0.45	2.80	2.10	2.05	50.00	8.00
24500300	M3	0.50	3.50	2.70	2.50	56.00	10.00
24500400	M4	0.70	4.50	3.40	3.30	63.00	12.00
24500500	M5	0.80	6.00	4.90	4.20	70.00	14.00
24500600	M6	1.00	6.00	4.90	5.00	80.00	16.00
24500800	M8	1.25	8.00	6.20	6.80	90.00	18.00
24501000	M10	1.50	10.00	8.00	8.50	100.00	20.00
24601200	M12	1.75	9.00	7.00	10.20	110.00	24.00
24601400	M14	2.00	11.00	9.00	12.00	110.00	26.00
24601600	M16	2.00	12.00	9.00	14.00	110.00	26.00
24601800	M18	2.50	14.00	11.00	15.50	125.00	30.00
24602000	M20	2.50	16.00	12.00	17.50	140.00	32.00
24602400	M24	3.00	18.00	14.50	21.00	160.00	30.00
24603000	M30	3.50	22.00	18.00	26.50	180.00	35.00

Carbide

DIN
371/376

ISO 2
6H



RH

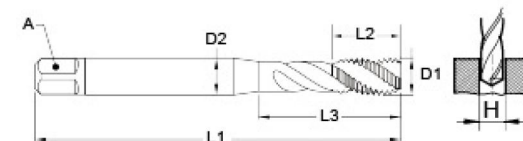
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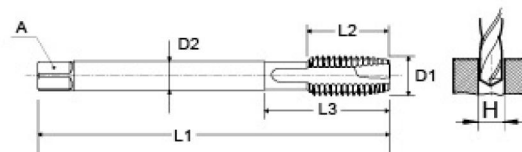
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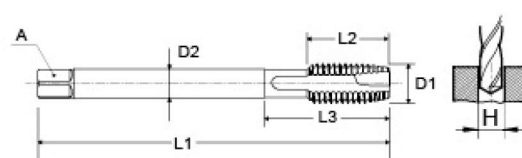
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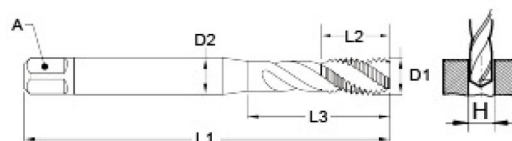
Order No	D1	P	D2	A	 (mm)	L1	L2
24700200	M2	0.40	2.80	2.10	1.60	45.00	6.00
24700250	M2.5	0.45	2.80	2.10	2.05	50.00	6.00
24700300	M3	0.50	3.50	2.70	2.50	56.00	6.00
24700400	M4	0.70	4.50	3.40	3.30	63.00	7.50
24700500	M5	0.80	6.00	4.90	4.20	70.00	8.50
24700600	M6	1.00	6.00	4.90	5.00	80.00	11.00
24700800	M8	1.25	8.00	6.20	6.80	90.00	14.00
24701000	M10	1.50	10.00	8.00	8.50	100.00	16.00
24801200	M12	1.75	9.00	7.00	10.20	110.00	18.50
24801400	M14	2.00	11.00	9.00	12.00	110.00	20.00
24801600	M16	2.00	12.00	9.00	14.00	110.00	20.00
24801800	M18	2.50	14.00	11.00	15.50	125.00	25.00
24802000	M20	2.50	16.00	12.00	17.50	140.00	25.00
24802400	M24	3.00	18.00	14.50	21.00	160.00	30.00
24803000	M30	3.50	22.00	18.00	26.50	180.00	35.00



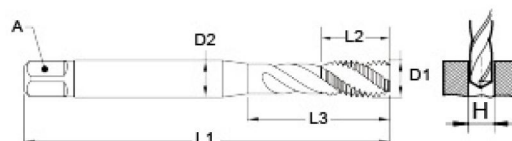
Order No	D1	P	D2	A	 (mm)	L1	L2
34100200	M2	0.40	3.00	2.50	1.60	40.00	9.00
34100250	M2.5	0.45	3.00	2.50	2.10	44.00	9.50
34100300	M3	0.50	4.00	3.20	2.50	46.00	11.00
34100400	M4	0.70	5.00	4.00	3.30	52.00	13.00
34100500	M5	0.80	5.50	4.50	4.20	60.00	16.00
34100600	M6	1.00	6.00	4.50	5.00	62.00	19.00
34100800	M8	1.25	6.20	5.00	6.80	70.00	22.00
34101000	M10	1.50	7.00	5.50	8.50	75.00	24.00
34201200	M12	1.75	8.50	6.50	10.30	82.00	29.00
34201400	M14	2.00	10.50	8.00	12.00	88.00	30.00
34201600	M16	2.00	12.50	10.00	14.00	95.00	32.00
34201800	M18	2.50	14.00	11.00	15.50	100.00	37.00
34202000	M20	2.50	15.00	12.00	17.50	105.00	37.00
34202400	M24	3.00	19.00	15.00	21.00	120.00	45.00
34203000	M30	3.50	23.00	17.00	26.50	135.00	48.00



Order No	D1	P	D2	A	 (mm)	L1	L2
34300200	M2	0.40	3.00	2.50	1.60	40.00	9.00
34300250	M2.5	0.45	3.00	2.50	2.05	44.00	9.50
34300300	M3	0.50	4.00	3.20	2.50	46.00	11.00
34300400	M4	0.70	5.00	4.00	3.30	52.00	13.00
34300500	M5	0.80	5.50	4.50	4.20	60.00	16.00
34300600	M6	1.00	6.00	4.50	5.00	62.00	19.00
34300800	M8	1.25	6.20	5.00	6.80	70.00	22.00
34301000	M10	1.50	7.00	5.50	8.50	75.00	24.00
34401200	M12	1.75	8.50	6.50	10.20	82.00	29.00
34401400	M14	2.00	10.50	8.00	12.00	88.00	30.00
34401600	M16	2.00	12.50	10.00	14.00	95.00	32.00
34401800	M18	2.50	14.00	11.00	15.50	100.00	37.00
34402000	M20	2.50	15.00	12.00	17.50	105.00	37.00
34402400	M24	3.00	19.00	15.00	21.00	120.00	45.00
34403000	M30	3.50	23.00	17.00	26.50	135.00	48.00



Order No	D1	P	D2	A	 (mm)	L1	L2
35100200	M2	0.40	3.00	2.50	1.60	40.00	9.00
35100250	M2.5	0.45	3.00	2.50	2.05	44.00	9.50
35100300	M3	0.50	4.00	3.20	2.50	46.00	11.00
35100400	M4	0.70	5.00	4.00	3.30	52.00	13.00
35100500	M5	0.80	5.50	4.50	4.20	60.00	16.00
35100600	M6	1.00	6.00	4.50	5.00	62.00	19.00
35100800	M8	1.25	6.20	5.00	6.80	70.00	22.00
35101000	M10	1.50	7.00	5.50	8.50	75.00	24.00
35201200	M12	1.75	8.50	6.50	10.20	82.00	29.00
35201400	M14	2.00	10.50	8.00	12.00	88.00	30.00
35201600	M16	2.00	12.50	10.00	14.00	95.00	32.00
35201800	M18	2.50	14.00	11.00	15.50	100.00	37.00
35202000	M20	2.50	15.00	12.00	17.50	105.00	37.00
35202400	M24	3.00	19.00	15.00	21.00	120.00	45.00
35203000	M30	3.50	23.00	17.00	26.50	135.00	48.00



Order No	D1	P	D2	A	 (mm)	L1	L2
35300200	M2	0.40	3.00	2.50	1.60	40.00	9.00
35300250	M2.5	0.45	3.00	2.50	2.05	44.00	9.50
35300300	M3	0.50	4.00	3.20	2.50	46.00	11.00
35300400	M4	0.70	5.00	4.00	3.30	52.00	13.00
35300500	M5	0.80	5.50	4.50	4.20	60.00	16.00
35300600	M6	1.00	6.00	4.50	5.00	62.00	19.00
35300800	M8	1.25	6.20	5.00	6.80	70.00	22.00
35301000	M10	1.50	7.00	5.50	8.50	75.00	24.00
35401200	M12	1.75	8.50	6.50	10.20	82.00	29.00
35401400	M14	2.00	10.50	8.00	12.00	88.00	30.00
35401600	M16	2.00	12.50	10.00	14.00	95.00	32.00
35401800	M18	2.50	14.00	11.00	15.50	100.00	37.00
35402000	M20	2.50	15.00	12.00	17.50	105.00	37.00
35402400	M24	3.00	19.00	15.00	21.00	120.00	45.00
35403000	M30	3.50	23.00	17.00	26.50	135.00	48.00

