

46980 46981 46982 46983 46984 46985 46986 46987 46988 46990 46991 46992 46993 47850 46994 46995 46996 46997 46998	M3 X 0.5 M4 X 0.7 M4 X 0.7 M4 X 0.7 M4 X 0.7	& C  B  B  B  P  P  P  B  P	5 6 7 5 6 7	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	L 46 46 46	10 10	Ds 4 4	nsions (n ln 18	Dn 2.3 2.3	3.2 3.2	€k 6	Radial	Oil groove	New Model
46981 46982 46983 46984 46985 46986 46987 46988 46990 46991 46992 46993 47850 46994 46995 46996 46997 46998	M3 X 0.5 M3 X 0.5 M3 X 0.5 M3 X 0.5 M3 X 0.5 M3.5 X 0.6 M3.5 X 0.6 M4 X 0.7 M4 X 0.7 M4 X 0.7 M4 X 0.7	B B P P P B B B	6 7 5 6 7	2 2 2	46	10								
46982 46983 46984 46985 46986 46987 46988 46989 46990 46991 46992 46993 47850 46994 46995 46996 46997 46998 46999	M3 X 0.5 M3 X 0.5 M3 X 0.5 M3 X 0.5 M3 X 0.6 M3.5 X 0.6 M4 X 0.7 M4 X 0.7 M4 X 0.7 M4 X 0.7	B P P B B B	7 5 6 7	2			4	18	2.3	3.2	6	_	_	
46983 46984 46985 46986 46987 46988 46989 46990 46991 46992 46993 47850 46994 46995 46996 46997 46998 46999	M3 X 0.5 M3 X 0.5 M3 X 0.5 M3.5 X 0.6 M4 X 0.7 M4 X 0.7 M4 X 0.7 M4 X 0.7 M4 X 0.7	P P B B B	5 6 7	2	46	4.0					U	5	5	
46984 46985 46986 46987 46988 46989 46990 46991 46992 46993 47850 46994 46995 46996 46997 46998 46999	M3 X 0.5 M3 X 0.5 M3.5 X 0.6 M3.5 X 0.6 M4 X 0.7 M4 X 0.7 M4 X 0.7 M4 X 0.7	P P B P	6 7			10	4	18	2.3	3.2	6	5	5	
46985 46986 46987 46989 46990 46991 46992 46993 47850 46994 46995 46996 46997 46998 46999	M3 X 0.5 M3.5 X 0.6 M3.5 X 0.6 M4 X 0.7 M4 X 0.7 M4 X 0.7 M4 X 0.7 M4 X 0.7	P B P B	7		46	10	4	18	2.3	3.2	6	5	5	
46986 46987 46988 46999 46990 46991 46992 46993 47850 46994 46995 46996 46997 46998 46999	M3.5 X 0.6 M3.5 X 0.6 M4 X 0.7 M4 X 0.7 M4 X 0.7 M4 X 0.7 M4 X 0.7	B P B		2	46 46	10	4	18	2.3	3.2	6	5	5	
46987 46988 46989 46990 46991 46992 46993 47850 46994 46995 46996 46997 46998 46999	M3.5 X 0.6 M4 X 0.7 M4 X 0.7 M4 X 0.7 M4 X 0.7 M4 X 0.7	P B	5	2	48	10	4	18	2.6	3.2	6	5	5	
46989 46990 46991 46992 46993 47850 46994 46995 46996 46997 46998 46999	M4 X 0.7 M4 X 0.7 M4 X 0.7 M4 X 0.7		5	2	48	10	4	18	2.6	3.2	6	5	5	
46990 46991 46992 46993 47850 46994 46995 46996 46997 46998 46999	M4 X 0.7 M4 X 0.7 M4 X 0.7		6	2	52	10	5	20	3	4	7	5	5	
46991 46992 46993 47850 46994 46995 46996 46997 46998 46999	M4 X 0.7 M4 X 0.7	В	7	2	52	10	5	20	3	4	7	5	5	
46992 46993 47850 46994 46995 46996 46997 46998 46999	M4 X 0.7	В	8	2	52	10	5	20	3	4	7	5	5	
46993 47850 46994 46995 46996 46997 46998 46999		P P	6 7	2	52	10	5	20	3	4	7	5	5	
47850 46994 46995 46996 46997 46998 46999	M4 X 0.7	P	8	2	52 52	10	5 5	20	3	4	7	5	5	
46994 46995 46996 46997 46998 46999	M5 X 0.8	1C	6	2	60	10	5.5	22	3.9	4.5	7	5	5	*
46996 46997 46998 46999	M5 X 0.8	В	6	2	60	10	5.5	22	3.9	4.5	7	5	5	
46997 46998 46999	M5 X 0.8	В	7	2	60	10	5.5	22	3.9	4.5	7	5	5	
46998 46999	M5 X 0.8	В	8	2	60	10	5.5	22	3.9	4.5	7	5	5	
46999	M5 X 0.8	P	6	2	60	10	5.5	22	3.9	4.5	7	5	5	
	M5 X 0.8 M5 X 0.8	P P	7 8	2	60	10	5.5	22	3.9	4.5	7	5	5	
	M6 X 1	1C	7	2	62	10	6	24	4.6	4.5	7	5	5	*
	M6 X 1	В	7	2	62	10	6	24	4.6	4.5	7	5	5	
	M6 X 1	В	8	2	62	10	6	24	4.6	4.5	7	5	5	
	M6 X 1	В	9	2	62	10	6	24	4.6	4.5	7	5	5	
	M6 X 1	P P	7 8	2	62	10	6	24 24	4.6	4.5	7	5	5	
	M6 X 1	P	8	2	62 62	10	6	24	4.6	4.5	7	5	5	
	M6 X 0.75	В	6	2	62	10	6	24	4.6	4.5	7	5	5	
47007	M6 X 0.75	Р	6	2	62	10	6	24	4.6	4.5	7	5	5	
	M7 X 1	В	7	3	65	16	6.2	26	5.6	5	8	6	6	
	M7 X 1	P	7	3	65	16	6.2	26	5.6	5	8	6	6	
	M7 X 0.75 M7 X 0.75	B P	6	3	65 65	16	6.2	26 26	5.6	5	8	6	6	
	M8 X 1.25	1C	7	3	65 70	16 18	6.2	30	5.6	5	8	6	6	*
	M8 X 1.25	В	7	3	70	18	6.2	30	6	5	8	6	6	
	M8 X 1.25	В	8	3	70	18	6.2	30	6	5	8	6	6	
	M8 X 1.25	В	9	3	70	18	6.2	30	6	5	8	6	6	
	M8 X 1.25	P	7	3	70	18	6.2	30	6	5	8	6	6	
	M8 X 1.25	P P	8	3	70	18	6.2	30	6	5	8	6	6	
	M8 X 1.25	1C	9	3	70 70	18 18	6.2	30 30	6	5	8	6	6	*
	M8 X 1	В	7	3	70	18	6.2	30	6	5	8	6	6	
	M8 X 1	Р	7	3	70	18	6.2	30	6	5	8	6	6	
	M10 X 1.5	1C	7	3	75	19	7	32	6.8	5.5	8	8	8	*
	M10 X 1.5	В	7	3	75	19	7	32	6.8	5.5	8	8	8	
	M10 X 1.5 M10 X 1.5	B P	9	3	75 75	19	7	32	6.8	5.5	8	8	8	
	M10 X 1.5 M10 X 1.5	P	7	3	75 75	19 19	7	32 32	6.8	5.5	8	8	8	
	M10 X 1.25	1C	7	3	75	19	7	32	6.8	5.5	8	8	8	*
47024	M10 X 1.25	В	7	3	75	19	7	32	6.8	5.5	8	8	8	
	M10 X 1.25	В	9	3	75	19	7	32	6.8	5.5	8	8	8	
	M10 X 1.25	P	7	3	75	19	7	32	6.8	5.5	8	8	8	
	M10 X 1.25	P 10	9	3	75	19	7	32	6.8	5.5	8	8	8	*
	M10 X 1	1C B	7	3	75 75	19 19	7	32 32	6.8	5.5 5.5	8	8	8	<b>X</b>
	M10 X 1	В	9	3	75	19	7	32	6.8	5.5	8	8	8	
	M10 X 1	Р	7	3	75	19	7	32	6.8	5.5	8	8	8	
	M10 X 1	Р	9	3	75	19	7	32	6.8	5.5	8	8	8	
	M12 X 1.75	1C	10	3	82	23	8.5	38	8.3	6.5	9	8	8	*
	M12 X 1.75 M12 X 1.75	В	10	3	82 82	23	8.5 8.5	38 38	8.3 8.3	6.5	9	8	8	
	M12 X 1.75	Р	8	3	82	23	8.5	38	8.3	6.5	9	8	8	
	M12 X 1.75	P	10	3	82	23	8.5	38	8.3	6.5	9	8	8	
47870	M12 X 1.5	1C	10	3	82	23	8.5	38	8.3	6.5	9	8	8	*
	M12 X 1.5	В	7	3	82	23	8.5	38	8.3	6.5	9	8	8	
	M12 X 1.5	В	10	3	82	23	8.5	38	8.3	6.5	9	8	8	
	M12 X 1.5 M12 X 1.5	P P	7	3	82 82	23	8.5	38	8.3	6.5	9	8	8	
	M12 X 1.5	1C	10	3	82	23	8.5 8.5	38	8.3 8.3	6.5	9	8	8	*
	M12 X 1.25	В	7	3	82	23	8.5	38	8.3	6.5	9	8	8	
47041	M12 X 1.25	В	12	3	82	23	8.5	38	8.3	6.5	9	8	8	
	M12 X 1.25	Р	7	3	82	23	8.5	38	8.3	6.5	9	8	8	
	M12 X 1.25	Р	12	3	82	23	8.5	38	8.3	6.5	9	8	8	
	M12 X 1	1C B	9 7	3	82 82	23	8.5	38 38	8.3	6.5	9	8	8	*
	M12 X 1	В	9	3	82 82	23	8.5 8.5	38	8.3 8.3	6.5	9	8	8	
	M12 X 1	P	7	3	82	23	8.5	38	8.3	6.5	9	8	8	
	M12 X 1	P	9	3	82	23	8.5	38	8.3	6.5	9	8	8	
	M14 X 1.5	В	10	3	88	25	10.5	42	10.3	8	11	8	8	
	M14 X 1.5	Р	10	3	88	25	10.5	42	10.3	8	11	8	8	
	M16 X 1.5	В	10	3	95	27	12.5	45	12.3	10	13	8	8	
	M16 X 1.5 M18 X 1.5	P B	10	3	95 100	27 29	12.5 14	45 48	12.3	10	13	8	8	
	M18 X 1.5	Р	11	3	100	29	14	48	13.8	11	14	8	8	
	M20 X 1.5	В	11	3	105	30	15	50	14.8	12	15	8	8	
	M20 X 1.5	Р	11	3	105	30	15	50	14.8	12	15	8	8	

 $<sup>\</sup>cdot$  The recommended tap limit in corresponds to JIS Class 2 internal thread standard.  $\cdot$  New model of  $\bigstar$  will be released in the fall of 2020.

Unified coarse screw threads

(Unit):mm

Item No.	Nominal size	lс	Limit	Type			Dim	ensions	(mm)			Dadial	Oil groove	New Model
item No.	Norminal Size	<b>2</b> 0	LIIIII	Type	L	l	Ds	ℓn	Dn	K	ℓk	Radiai	Oil gloove	INEW MOUEL
47056	No.2 - 56UNC	В	4	1	42	9	3	15	2.9	2.5	5	4	0	-
47057	No.2 - 56UNC	Р	4	1	42	9	3	15	2.9	2.5	5	4	0	-
47058	No.4 - 40UNC	В	4	1	44	10	3	16	2.9	2.5	5	4	0	-
47059	No.4 - 40UNC	Р	4	1	44	10	3	16	2.9	2.5	5	4	0	-
47060	No.6 - 32UNC	В	5	2	48	10	4	18	2.4	3.2	6	5	5	-
47061	No.6 - 32UNC	Р	5	2	48	10	4	18	2.4	3.2	6	5	5	-
47062	No.8 - 32UNC	В	6	2	52	10	5	20	3	4	7	5	5	-
47063	No.8 - 32UNC	Р	6	2	52	10	5	20	3	4	7	5	5	-
47064	1/4 - 20UNC	В	6	2	62	10	6	24	4.6	4.5	7	5	5	-
47065	1/4 - 20UNC	Р	6	2	62	10	6	24	4.6	4.5	7	5	5	-
47068	5/16 - 18UNC	В	7	3	70	18	6.1	30	5.9	5	8	6	6	-
47069	5/16 - 18UNC	Р	7	3	70	18	6.1	30	5.9	5	8	6	6	-
47072	3/8 - 16UNC	В	7	3	75	21	7	35	6.8	5.5	8	6	6	-
47073	3/8 - 16UNC	Р	7	3	75	21	7	35	6.8	5.5	8	6	6	-

## Unified fine screw threads

(Unit):mm

Item No.	Nominal size	lс	Limit	Туре			Dim	ensions	(mm)			Dadial	Oil groove	New Model
item No.		20	LIIIII	Type	L	l	Ds	ℓn	Dn	K	ℓk	Rauiai	Oil gloove	INCW MOUCH
47066	1/4 - 28UNF	В	6	2	62	10	6	24	4.6	4.5	7	5	5	-
47067	1/4 - 28UNF	Р	6	2	62	10	6	24	4.6	4.5	7	5	5	-
47070	5/16 - 24UNF	В	7	3	70	18	6.1	30	5.9	5	8	6	6	-
47071	5/16 - 24UNF	Р	7	3	70	18	6.1	30	5.9	5	8	6	6	-
47074	3/8 - 24UNF	В	7	3	75	21	7	35	6.8	5.5	8	6	6	-
47075	3∕8 - 24UNF	Р	7	3	75	21	7	35	6.8	5.5	8	6	6	-

## Double TAFLET, Long Shank

LT-W-TF

Metric

(Unit):mm

Itama Nia	Naminal sins	lс	Lineit	Tura			Dim	ensions	(mm)			D - di - l	Oil arrasus	Nam Madal
Item No.	Nominal size	€ C	Limit	Туре	L	Ł	Ds	lп	Dn	K	lk	Radiai	Oil groove	inew iviodei
47846	M3 × 0.5	В	5	2	80	10	4	18	2.3	3.2	6	5	5	*
47849	M4 × 0.7	В	6	2	80	10	5	20	3	4	7	5	5	*
47851	M5 × 0.8	1C	6	2	100	10	5.5	25	3.9	4.5	7	5	5	*
47852	M5 × 0.8	В	6	2	100	10	5.5	25	3.9	4.5	7	5	5	*
47854	M6 × 1	1C	7	2	100	10	6	30	4.6	4.5	7	5	5	*
47855	M6 × 1	В	7	2	100	10	6	30	4.6	4.5	7	5	5	*
47857	M8 × 1.25	1C	7	2	100	18	6.2	30	6	5	8	6	6	*
47858	M8 × 1.25	В	7	2	100	18	6.2	30	6	5	8	6	6	*
47861	M10 × 1.5	1C	7	2	100	19	7	32	6.8	5.5	8	8	8	*
47862	M10 × 1.5	В	7	2	100	19	7	32	6.8	5.5	8	8	8	*
47864	M10 × 1.25	1C	7	2	100	19	7	32	6.8	5.5	8	8	8	*
47865	M10 × 1.25	В	7	2	100	19	7	32	6.8	5.5	8	8	8	*
47868	M12 × 1.75	1C	10	2	120	23	8.5	38	8.3	6.5	9	8	8	*
47869	M12 × 1.75	В	10	2	120	23	8.5	38	8.3	6.5	9	8	8	*
47871	M12 × 1.5	1C	10	2	120	23	8.5	38	8.3	6.5	9	8	8	*
47872	M12 × 1.5	В	10	2	120	23	8.5	38	8.3	6.5	9	8	8	*
47874	M12 × 1.25	1C	12	2	120	23	8.5	38	8.3	6.5	9	8	8	*
47875	M12 × 1.25	В	12	2	120	23	8.5	38	8.3	6.5	9	8	8	*

- · The recommended tap limit in \_\_\_\_corresponds to JIS Class 2 internal thread standard.
- New model of ★ will be released in the fall of 2020.

Low Carbon S	teels   Medium Carbon Steel	s High Carbon Steels	Cold Rolled Sheet Steels	Structual Alloy Steels	Stainless Steels	Aluminum	Aluminum Diecasting	Zinc Diecasting	Copper	Brass	Brass Casting
\$100 \$200	\$	\$45C	SPC SPH	SCM SNCN	SUS	AL	AC ADC	ZDC	CU	BS	BSC
0	0	0	0	0	0	0	0	0	0	0	0





