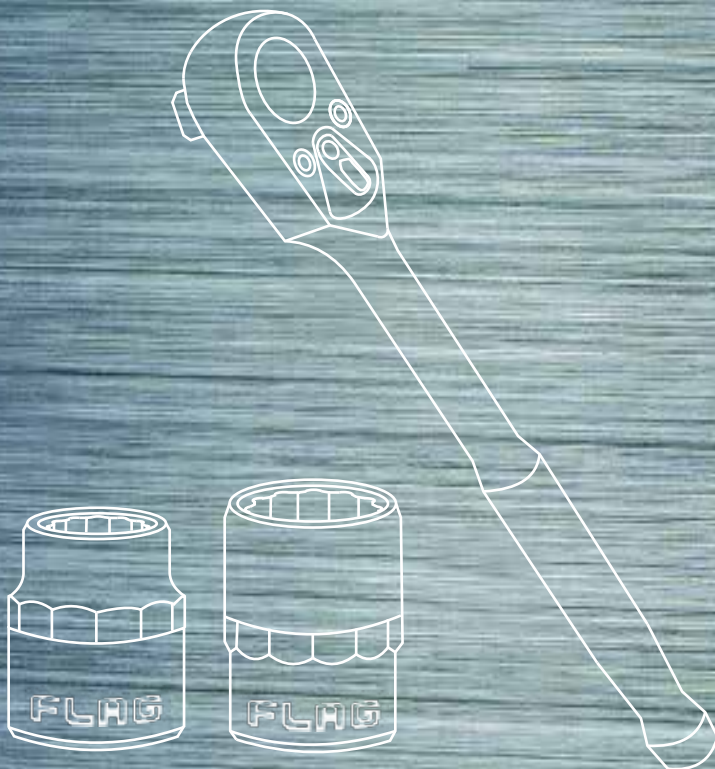


FLAG[®]

HATA MANUFACTURING CO., LTD.

SINCE 1950



1. ISO 9001 CERTIFIED (CERTIFICATE NO. 02734)

2. GUARANTEE

We guarantee the materials and workmanship in all of our products.

It means we warrant any of our manufactured products shall be repaired under your using correct manner and torque.

3. IMPORTANT NOTICE

Use the right tools in correct manner for your safety. Important instructions and precautions are found throughout our catalogue. Any results won't be accepted any responsibility by using tools badly and inappropriately.

We may change the design or construction at any time without notice in the tools previously sold.

FLAG SAFETY INSTRUCTION

① HANDSOCKETS AND ACCESSORIES

- *Use the right type and size.
- *Insert Bolt/Nut fully into the deepest position.
- *Do not use a rachet or any other tools as a hammer.
- *Do not combine several extensions.
- *Do not disassemble rachets/accessories.
- *Stay within torque limit.
- *Keep all tools free from grease and dirt and humid(wet).

② IMPACT SOCKETS AND ACCESSORIES

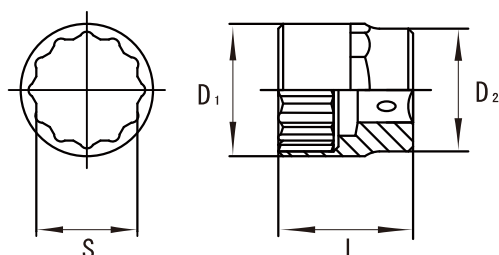
- *Use the right type and size.
- *Insert Bolt/Nut fully into the deepest position.
- *Do not use a rachet or any other tools as a hammer.
- *Do not combine several extensions.
- *Do not disassemble rachets/accessories.
- *Stay within torque limit.
- *Make sure to use the correct size of Ring/Pin and that once in position the pin is fully covered by the ring.
- *Keep all tools free from grease and dirt and humid(wet).
- *Do not touch a spinning impact tools.



ITEMS IN THIS CATALOGUE MARKED  CAN BE LOADED TO TORQUE VALUE WHICH MAY CAUSE BREAKAGE. IN THE INTEREST OF YOUR OWN SAFETY ALWAYS APPLY LOAD EVENLY AND PROGRESSIVELY TO AVOID BREAKAGE AND POSSIBLE INJURY.

DIAMOND-CUT SOCKET / SOCKET

$\frac{3}{8}$ " DR. DIAMOND-CUT SOCKET



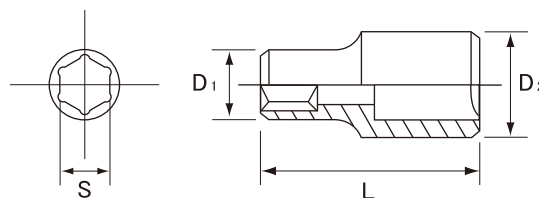
METRIC SIZE

Item No. 6 - pt.	S mm	L mm	D ₁ mm	D ₂ mm	
DS366	6	22	9.3	17	18
DS376	7	22	10.3	17	18
DS386	8	22	11.6	17	18
DS396	9	22	12.8	17	18

METRIC SIZE

Item No. 12 - pt.	S mm	L mm	D ₁ mm	D ₂ mm	
DS31012	10	22	14	17	19
DS31212	12	24	16	17	22
DS31312	13	24	18	18	24
DS31412	14	25	18.7	18.7	25
DS31712	17	27	22.7	22.7	38
DS31912	19	27	25	25	49
DS32012	20	28	26.1	26.1	55
DS32112	21	28	27.5	25.5	62

$\frac{1}{4}$ " DR. SOCKET

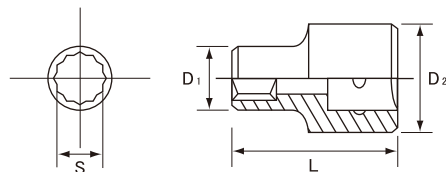


INCH SIZE

Item No. 6 - pt.	S inch	L mm	D ₁ mm	D ₂ mm	
S25/326	5/32	25	7	11.9	10
S23/166	3/16	25	8	11.9	10
S27/326	7/32	25	8.5	11.9	10
S21/46	1/4	25	9.2	11.9	10
S29/326	9/32	25	10.3	11.9	11
S25/166	5/16	25	11.9	11.9	12
S211/326	11/32	25	12.7	12.7	14
S23/86	3/8	25	14.2	14.2	19
S213/326	13/32	25	14.2	14.2	20
S27/166	7/16	25	15.7	15.7	24
S21/26	1/2	25	17.3	17.3	32

METRIC SIZE

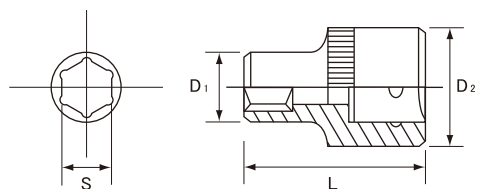
Item No. 6 - pt.	S mm	L mm	D ₁ mm	D ₂ mm	
S246	4	25	7	11.9	10
S24,56	4.5	25	7.5	11.9	10
S256	5	25	8	11.9	10
S25,56	5.5	25	8.5	11.9	10
S266	6	25	9.2	11.9	10
S276	7	25	10.3	11.9	11
S286	8	25	11.9	11.9	12
S296	9	25	12.7	12.7	14
S2106	10	25	14.2	14.2	19
S2116	11	25	15.7	15.7	24
S2126	12	25	17.3	17.3	30
S2136	13	25	17.3	17.3	32
S2146	14	25	20	20	43

3/8" DR. SOCKET

INCH SIZE

Item No. 12 - pt.	S inch	L mm	D1 mm	D2 mm	g
S31/412	1/4	26	11	17	21
S35/1612	5/16	26	11.5	17	22
S33/812	3/8	26	14	17	24
S37/1612	7/16	26	16	17	25
S31/212	1/2	26	18	18	30
S39/1612	9/16	26	20	20	40
S35/812	5/8	27	22	22	50
S311/1612	11/16	27	24	24	65
S33/412	3/4	27	26	26	70
S313/1612	13/16	27	28	28	77
S37/812	7/8	27	30	30	85
S315/1612	15/16	27	32	32	102

METRIC SIZE

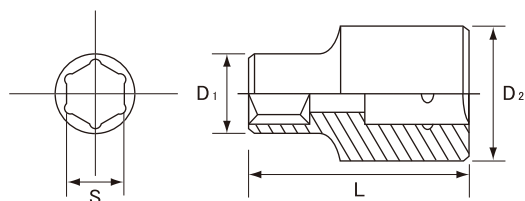
Item No. 12 - pt.	S mm	L mm	D1 mm	D2 mm	g
S3612	6	26	10	17	20
S3712	7	26	11	17	20
S3812	8	26	12	17	22
S3912	9	26	12.5	17	23
S31012	10	26	14	17	24
S31112	11	26	16	17	25
S31212	12	26	17	17	25
S31312	13	26	18	18	30
S31412	14	26	20	20	40
S31512	15	27	22	22	50
S31612	16	27	22	22	50
S31712	17	27	24	24	62
S31812	18	27	26	26	70
S31912	19	27	26	26	70
S32012	20	27	28	28	75
S32112	21	27	28	28	77
S32212	22	27	30	30	82
S32312	23	27	32	32	100
S32412	24	27	32	32	102

3/8" DR. SOCKET

KNURLED DESIGN METRIC SIZE

Item No. 6 - pt.	S mm	L mm	D1 mm	D2 mm	g
SR366	6	26	10	17	23
SR376	7	26	11	17	23
SR386	8	26	12	17	23
SR396	9	26	12.5	17	23
SR3106	10	26	14	17	24
SR3116	11	26	15.5	17	25
SR3126	12	26	17	18	34
SR3136	13	26	18	17	34
SR3146	14	26	20	18	40
SR3156	15	26	22	18	45
SR3166	16	26	22	18	45
SR3176	17	30	24	18	50
SR3186	18	30	26	20	60
SR3196	19	30	26	20	60
SR3206	20	30	28	22	70
SR3216	21	30	28	22	70
SR3226	22	30	30	24	80
SR3236	23	30	32	26	80
SR3246	24	30	32	26	85

SOCKET

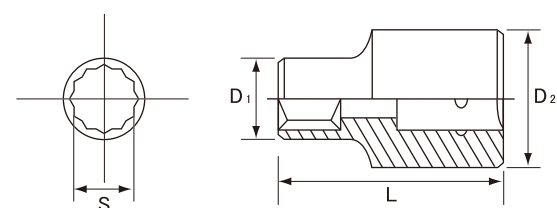
1/2" DR. SOCKET



METRIC SIZE

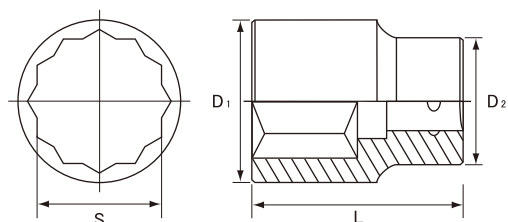
Item No. 6 - pt.	Item No. 12 - pt.	S mm	L mm	D1 mm	D2 mm	
S486	S4812	8	36	13.3	22.2	44
S496	S4912	9	36	13.5	22.2	44
S4106	S41012	10	36	15.2	22.2	50
S4116	S41112	11	36	16.4	22.2	50
S4126	S41212	12	36	17.7	22.2	52
S4136	S41312	13	36	18.9	22.2	55
S4146	S41412	14	36	20.2	22.2	55
S4156	S41512	15	38	22.2	22.2	65
S4166	S41612	16	38	22.2	22.2	65
S4176	S41712	17	38	24.2	24.2	80
S4186	S41812	18	38	26	24	81
S4196	S41912	19	38	26.2	24	86
S4206	S42012	20	38	27.8	24	87
S4216	S42112	21	38	29.2	24	98
S4226	S42212	22	38	29.6	26	105
S4236	S42312	23	38	31.6	27	120
S4246	S42412	24	38	31.6	27	120
S4256	S42512	25	38	34	28	132
S4266	S42612	26	43	36	29	158
S4276	S42712	27	43	36	29	160
S4286	S42812	28	43	39	29.5	180
S4296	S42912	29	43	39	29.5	180
S4306	S43012	30	44	39	29.5	180
S4316	S43112	31	44	42	29	200
S4326	S43212	32	44	42	29	200
S4336	S43312	33	44	44	34	230
S4346	S43412	34	50	46	35	310
S4356	S43512	35	50	46	35	310
S4366	S43612	36	50	48	37	320

1/2" DR. SOCKET



INCH SIZE

Item No. 12 - pt.	S inch	L mm	D1 mm	D2 mm	
S43/812	3/8	36	15.2	22.2	48
S47/1612	7/16	36	16.4	22.2	50
S41/212	1/2	36	18.9	22.2	52
S49/1612	9/16	36	20.2	22.2	55
S419/3212	19/32	38	22.2	22.2	65
S45/812	5/8	38	22.2	22.2	65
S411/1612	11/16	38	24.2	24.2	77
S43/412	3/4	38	26.2	24	86
S425/3212	25/32	38	27.8	24	87
S413/1612	13/16	38	27.8	24	100
S47/812	7/8	38	29.6	26	100
S415/1612	15/16	38	31.6	27	120
S431/3212	31/32	38	34	28	130
S4112	1	38	34	28	133
S41.1/1612	1-1/16	43	36	29	160
S41.1/812	1-1/8	43	39	29.5	174
S41.3/1612	1-3/16	44	39	29.5	180
S41.1/412	1-1/4	44	42	29	195

3/4" DR. SOCKET

METRIC SIZE

Item No. 12 - pt.	S mm	L mm	D ₁ mm	D ₂ mm	
S61912	19	55	30	36	240
S62012	20	55	31	36	240
S62112	21	55	32	36	240
S62212	22	55	33	36	240
S62312	23	55	34	36	240
S62412	24	55	34.5	36	240
S62512	25	55	35	36	240
S62612	26	55	38	36	240
S62712	27	55	38	36	240
S62812	28	55	40	36	260
S62912	29	55	40	36	260
S63012	30	56	42	36	270
S63112	31	56	44	36	280
S63212	32	56	44	36	280
S63312	33	56	46	39	330
S63412	34	56	48	39	350
S63512	35	65	48	39	410
S63612	36	65	50	39	430
S63712	37	65	52	40	430
S63812	38	65	52	40	430
S64012	40	65	55	40	500
S64112	41	65	55	40	500
S64212	42	65	57	40	500
S64312	43	65	57	40	500
S64412	44	65	60	40	500
S64612	46	65	61	40	550
S64712	47	65	63	40	600
S64812	48	65	65	40	630
S65012	50	65	67	40	630

INCH SIZE

Item No. 12 - pt.	S inch	L mm	D ₁ mm	D ₂ mm	
S67/812	7/8	55	33	36	240
S615/1612	15/16	55	34.5	36	240
S6112	1	55	36	35	240
S61.1/1612	1-1/16	55	38	36	240
S61.1/812	1-1/8	55	40	36	260
S61.3/1612	1-3/16	56	42	36	260
S61.1/412	1-1/4	56	44	36	282
S61.5/1612	1-5/16	56	46	39	330
S61.3/812	1-3/8	56	48	39	410
S61.7/1612	1-7/16	65	50	40	430
S61.1/212	1-1/2	65	52	40	430
S61.9/1612	1-9/16	65	55	40	500
S61.5/812	1-5/8	65	55	40	500
S61.11/1612	1-11/16	65	57	40	500
S61.3/412	1-3/4	65	60	40	500
S61.13/1612	1-13/16	65	61	40	550
S61.7/812	1-7/8	65	63	40	630
S6212	2	65	67	40	630

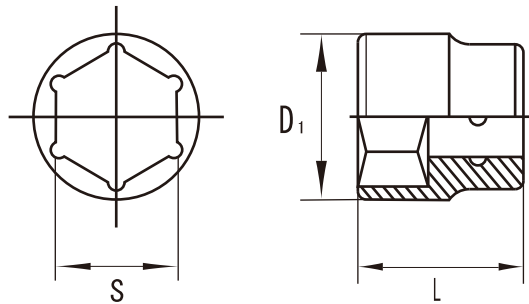
SHORT SOCKET / SEMI-DEEP SOCKET

$\frac{3}{8}$ " DR. SHORT SOCKET



METRIC SIZE

Item No. 6 - pt.	S mm	L mm	D ₁ mm	
SS386	8	20	17	16
SS3106	10	20	17	18
SS3126	12	20	17	19
SS3136	13	20	17	21
SS3146	14	20	17.5	23
SS3176	17	20	18	27
SS3196	19	20	20	38

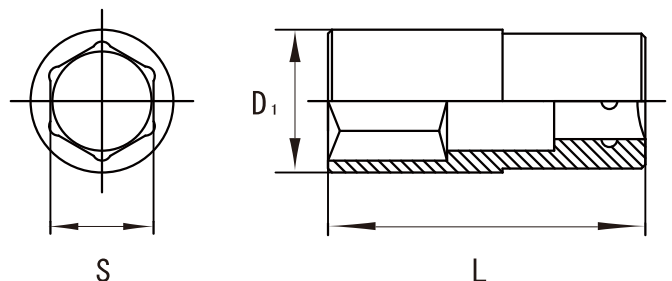


$\frac{3}{8}$ " DR. SEMI-DEEP SOCKET



METRIC SIZE

Item No. 6 - pt.	Item No. 12 - pt.	S mm	L mm	D ₁ mm	
SDS386	SDS3812	8	40	17.8	34
SDS3106	SDS31012	10	40	17.8	38
SDS3126	SDS31212	12	40	17.8	38
SDS3136	SDS31312	13	40	17.8	36
SDS3146	SDS31412	14	40	19.8	45
SDS3176	SDS31712	17	40	23.7	48
SDS3196	SDS31912	19	40	25.8	80

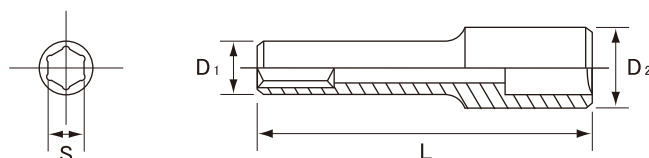


1/4" DR. DEEP SOCKET



METRIC SIZE

Item No. 6 - pt.	S mm	L mm	D ₁ mm	D ₂ mm	
SD246	4	50	6.9	11.8	25
SD256	5	50	7.9	11.8	25
SD266	6	50	9.2	11.8	25
SD276	7	50	10.6	11.8	28
SD286	8	50	11.8	11.8	30
SD296	9	50	12.7	12.7	30
SD2106	10	50	14.0	14.0	37
SD2116	11	50	16.0	16.0	40
SD2126	12	50	17.0	17.0	52
SD2136	13	50	17.4	17.4	54



3/8" DR. DEEP SOCKET

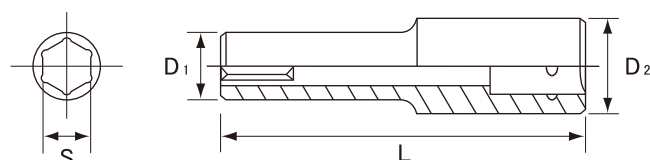


METRIC SIZE

Item No. 6 - pt.	Item No. 12 - pt.	S mm	L mm	D ₁ mm	D ₂ mm	
SD386	SD3812	8	65	12	17	55
SD396	SD3912	9	65	12.5	17	55
SD3106	SD31012	10	65	14	17	60
SD3116	SD31112	11	65	15.5	17	60
SD3126	SD31212	12	65	17	17	65
SD3136	SD31312	13	65	18	17	65
SD3146	SD31412	14	65	20	20	80
SD3156	SD31512	15	65	22	22	110
SD3166	SD31612	16	65	22	22	110
SD3176	SD31712	17	65	24	24	140
SD3186	SD31812	18	65	26	26	170
SD3196	SD31912	19	65	26	26	170
SD3216	SD32112	21	65	28	28	170

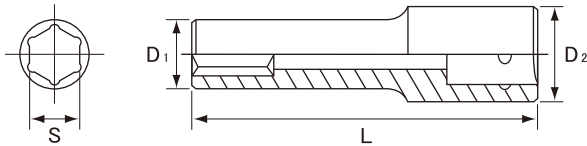
INCH SIZE

Item No. 12 - pt.	S inch	L mm	D ₁ mm	D ₂ mm	
SD33/812	3/8	65	14.5	16.8	55
SD37/1612	7/16	65	16	16.8	60
SD31/212	1/2	65	17.9	17.9	65
SD39/1612	9/16	65	19.9	19.9	80
SD35/812	5/8	65	22.3	22.3	110
SD311/1612	11/16	65	23.9	23.9	140
SD33/412	3/4	65	25.7	25.7	150
SD313/1612	13/16	65	28	28	160



DEEP SOCKET / EXTRA DEEP SOCKET

1/2" DR. DEEP SOCKET



METRIC SIZE

Item No. 6 - pt.	Item No. 12 - pt.	S mm	L mm	D ₁ mm	D ₂ mm	g
SD486	SD4812	8	80	12.5	22.5	100
SD496	SD4912	9	80	13.5	22.5	100
SD4106	SD41012	10	80	14.5	22.5	100
SD4116	SD41112	11	80	16	22.5	100
SD4126	SD41212	12	80	17.5	22.5	100
SD4136	SD41312	13	80	18.5	22.5	110
SD4146	SD41412	14	80	20	22.5	120
SD4156	SD41512	15	80	21	22.5	130
SD4166	SD41612	16	80	22.5	21	130
SD4176	SD41712	17	80	24.5	23	140
SD4186	SD41812	18	80	26	24	180
SD4196	SD41912	19	80	26.5	24	180
SD4206	SD42012	20	80	28	26	190
SD4216	SD42112	21	80	28.5	26	200
SD4226	SD42212	22	80	30	27	235
SD4236	SD42312	23	80	32	30	270
SD4246	SD42412	24	80	32	30	270
SD4256	SD42512	25	80	34	32	300
SD4266	SD42612	26	80	36	34	350
SD4276	SD42712	27	80	36	34	350
SD4286	SD42812	28	80	39	36	400
SD4296	SD42912	29	80	39	36	400
SD4306	SD43012	30	80	39	36	400
SD4316	SD43112	31	80	42	39	470
SD4326	SD43212	32	80	42	39	470
SD4366	SD43612	36	80	45	48	513

3/8" DR. EXTRA DEEP SOCKET



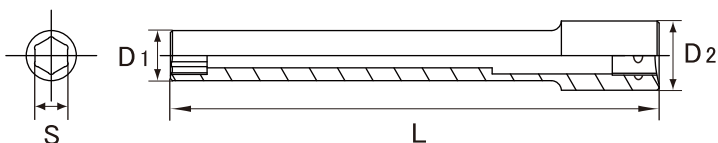
METRIC SIZE

Item No. 6 - pt.	S mm	L mm	D ₁ mm	D ₂ mm	g
SED38	8	120	12.3	17	86
SED310	10	120	14.8	17	95
SED312	12	120	17	16.2	120
SED314	14	120	20	18	165

NO.SED300

SED10 4 pcs. Extra Deep Socket Set			g 466
Extra Deep Socket 6 points	4 pcs.	8 10 12 14 mm	

Packing : 1 set in vinyl bag / packed with paper header



MAGNET PLUG & SPARK PLUG SOCKET



3/8"DR MAGNET PLUG

Item No.	S mm	L mm	D ₁ mm	D ₂ mm	g
MSPS3166	16	65	22	19	110
MSPS3216	21	68	26	19	170

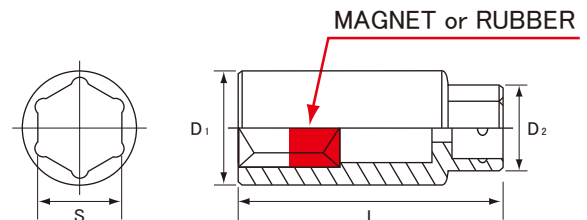


3/8"DR SPARK PLUG SOCKET (WITH RUBBER)

Item No. 6 - pt.	Item No. 12 - pt.	S mm	L mm	D ₁ mm	D ₂ mm	g
SPS3166	SPS31612	16	65	22	19	100
SPS3216	SPS32112	21	65	28	21	140

1/2"DR SPARK PLUG SOCKET (WITH RUBBER)

Item No. 6 - pt.	Item No. 12 - pt.	S mm	L mm	D ₁ mm	D ₂ mm	g
SPS4166	SPS41612	16	65	22	22	100
SPS4186	SPS41812	18	68	26	21	150
SPS4216	SPS42112	21	68	28	22	160

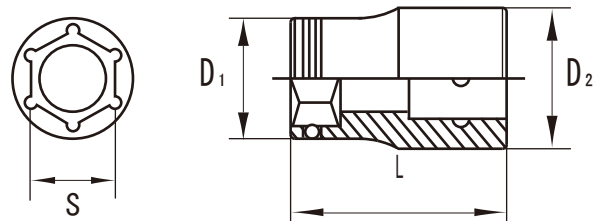


3/8"DR. NUT GRIP SOCKET



METRIC SIZE

Item No. 6 - pt.	S mm	L mm	D ₁ mm	D ₂ mm	g
NGS38	8	26	11.3	17	22
NGS310	10	26	13.4	17	23
NGS312	12	26	15.3	17	25
NGS314	14	26	18.2	17.5	30



SOCKET SET ON RAIL

SOCKET SET ON RAIL



RS2-11	1/4"DR SOCKET SET(mm)	4, 4.5, 5, 5.5, 6, 7, 8, 9, 10, 11, 12
RS2-9A	1/4"DR SOCKET SET(inch)	3/16, 7/32, 1/4, 9/32, 5/16, 11/32, 3/8, 7/16, 1/2
RSD2-9	1/4"DR DEEP SOCKET SET(mm)	5, 6, 7, 8, 9, 10, 11, 12, 13
RS3-12	3/8"DR SOCKET SET(mm)	8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19
RS3-9A	3/8"DR SOCKET SET(inch)	1/4, 5/16, 3/8, 7/16, 1/2, 9/16, 5/8, 11/16, 3/4
RSD3-12	3/8"DR DEEP SOCKET SET(mm)	8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19
RS4-10	1/2"DR SOCKET SET(mm)	10, 11, 12, 13, 14, 15, 17, 19, 21, 22
RS4-10A	1/2"DR SOCKET SET(inch)	3/8, 7/16, 1/2, 9/16, 5/8, 11/16, 3/4, 13/16, 7/8, 15/16
RSD4-10	1/2"DR DEEP SOCKET SET(mm)	10, 11, 12, 13, 14, 15, 17, 19, 21, 22
RDS3-8	3/8"DR DIAMOND-CUT SOCKET SET(mm)	6, 8, 10, 12, 14, 17, 19, 21

3/4" DR. RATCHET HANDLE



Item No.	Length mm	
R60R	500	2000

RATCHET HANDLE



Item No.		Length mm	
R2RFG	1/4"	125	100
R3RFG	3/8"	200	300
R4RFG	1/2"	250	475
R2RR	1/4"	125	120
R3RR	3/8"	200	300
R4RR	1/2"	250	510
R4RRL	1/2"	300	570
R40R	1/2"	250	630



3/8" DR. FLEX RATCHET HANDLE



Item No.	Length mm	
R3FRR	254	420

FLEX HANDLE



Item No.		Length mm	
F2	1/4"	125	90
F3230	3/8"	230	290
F3380	3/8"	380	540
F4250	1/2"	250	510
F4380	1/2"	380	800
F4600	1/2"	600	1170
F6	3/4"	500	1600

ACCESSORY

L HANDLE



Item No.		Length mm	
L4	1/2"	250	450
L6	3/4"	330	1400

SLIDING T HANDLE



Item No.		Length mm	
ST2	1/4"	125	50
ST3	3/8"	200	140
ST4250	1/2"	250	340
ST4300	1/2"	300	390
ST6	3/4"	500	1500



T HANDLE



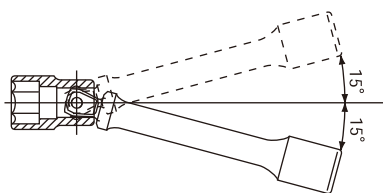
Item No.	Size	Handle (mm)	Length (mm)	
TH2100	1/4"	100	126	55
TH2200	(6.3mm)	200	250	176
TH3100	3/8"	100	129	95
TH3250	(9.5mm)	250	300	480

EXTENSION BAR



Item No.	□	Length mm	g
E250	1/4"	50	24
E275	1/4"	75	40
E2100	1/4"	100	50
E2150	1/4"	150	60
E2250	1/4"	250	100
E330	3/8"	30	30
E345	3/8"	45	50
E375	3/8"	75	75
E3125	3/8"	125	120
E3150	3/8"	150	150
E3250	3/8"	250	240
E475	1/2"	75	150
E4125	1/2"	125	220
E4150	1/2"	150	280
E4250	1/2"	250	420
E4600	1/2"	600	980
E675	3/4"	75	340
E6100	3/4"	100	450
E6200	3/4"	200	820
E6400	3/4"	400	1600

1/4" 3/8" DR. WOBBLE EXTENSION BAR



	Item No.	□	Length mm	g
⚠	WE250	1/4"	50	20
⚠	WE275	1/4"	75	28
⚠	WE2100	1/4"	100	35
⚠	WE2150	1/4"	150	50
⚠	WE332	3/8"	32	33
⚠	WE375	3/8"	75	70
⚠	WE3150	3/8"	150	123
⚠	WE3250	3/8"	250	190
⚠	WE3450	3/8"	450	300

ACCESSORY

SOCKET ADAPTOR FOR DRILL CHUCK



Item No.		Length mm	
SAD-2	1/4"	65	20
SAD-3-W	3/8"	65	25
SAD-4-W	1/2"	70	40

DR. TUNE UP KIT



NO.F-2105

F2105	5 pcs. Tune up kit		850
Flex. Ratchet Handle (knurled handle) 45mm Extension Bar 75mm Extension Bar 16mm Spark Plug Socket (6-point) 21mm Spark Plug Socket (6-point) 5 pcs. on display card			

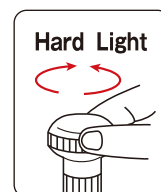
Packing : 6 set in a printed box
 24 sets in export carton
 Weight / ctn. : 21 Kgs.
 M3 / ctn. : 0.03893

AUTOMATIC CENTER PUNCH



Item No.	Length mm	
ACP130	130	75

○ No Hammer Work



ADAPTOR


Item No.	Size	g
AD1438	1/4" F × 3/8" M	17
⚠ AD3814	3/8" F × 1/4" M	24
AD3812	3/8" F × 1/2" M	30
⚠ AD1238	1/2" F × 3/8" M	50
AD1234	1/2" F × 3/4" M	120
⚠ AD3412	3/4" F × 1/2" M	180
AD341	3/4" F × 1" M	310
⚠ AD134	1" F × 3/4" M	530

3/8" DR. RATCHET ADAPTOR


Item No.	D (mm)	H (mm)	g
⚠ R3AD	32.3	51	150

UNIVERSAL JOINT

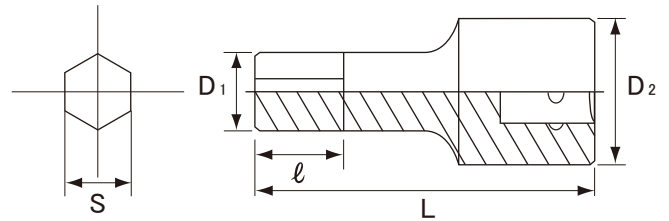

Item No.	Size	Length mm	g
⚠ UJ2	1/4"	35	20
⚠ UJ3	3/8"	49	60
⚠ UJ4	1/2"	70	160

UNIVERSAL BALL JOINT


Item No.	Size	Length mm	g
⚠ UBJ3	3/8"	45	50
⚠ UBJ4	1/2"	60	105

HEX SOCKET

$\frac{3}{8}$ $\frac{1}{2}$ DR. HEX SOCKET

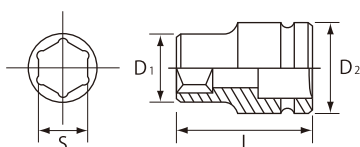


METRIC SIZE

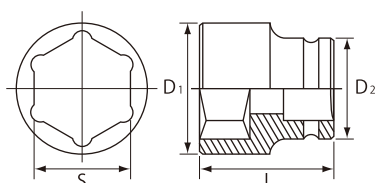
DR	Item No.	S mm	L mm	Ø mm	D ₂ mm	
$\frac{1}{2}$	SH46	6	50	17	22	60
	SH47	7	50	17	22	62
	SH48	8	50	17	22	64
	SH410	10	50	17	22	70
	SH412	12	50	17	22	79
	SH414	14	50	17	22	85
	SH417	17	50	17	25	117
	SH419	19	65	17	25	180
	SH421	21	65	17	28	250
	SH44-75	4	75	17	22	63
	SH45-75	5	75	17	22	63
	SH46-75	6	75	17	22	68
	SH47-75	7	75	17	22	73
	SH48-75	8	75	17	22	80
	SH49-75	9	75	17	22	86
	SH410-75	10	75	17	22	95
	SH412-75	12	75	17	22	110
	SH414-75	14	75	17	22	130
	SH417-75	17	75	17	25	182

METRIC & INCH SIZE

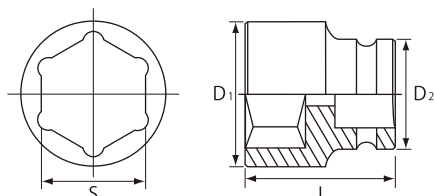
DR	Item No.	S mm	L mm	Ø mm	D ₂ mm	
$\frac{3}{8}$	SH34	4	52	17	19	40
	SH35	5	52	17	19	43
	SH36	6	52	17	19	46
	SH37	7	52	17	19	48
	SH38	8	52	17	19	50
	SH310	10	52	17	19	60
	SH312	12	52	17	19	72
	SH34-75	4	75	17	19	47
	SH35-75	5	75	17	19	51
	SH36-75	6	75	17	19	56
METRIC SIZE	SH37-75	7	75	17	19	65
	SH38-75	8	75	17	19	67
	SH310-75	10	75	17	19	82
	SH312-75	12	75	17	19	102
	SH3-1/4	1/4	52	17	19	45
	SH3-5/16	5/16	52	17	19	51
	SH3-3/8	3/8	52	17	19	57
	SH3-7/16	7/16	52	17	19	65
	SH3-1/2	1/2	52	17	19	75
	SH3-1/4-75	1/4	75	17	19	45
$\frac{3}{8}$	SH3-5/16-75	5/16	75	17	19	51
	SH3-3/8-75	3/8	75	17	19	57
	SH3-7/16-75	7/16	75	17	19	65
	SH3-1/2-75	1/2	75	17	19	75
	SH3-1/2-75	1/2	75	17	19	75
INCH SIZE						

3/8" DR. IMPACT SOCKET

METRIC SIZE

Item No. 6 - pt.	S mm	L mm	D ₁ mm	D ₂ mm	
IS36	6	30	11	20	40
IS37	7	30	12	20	40
IS38	8	30	13.5	20	42
IS39	9	30	15	20	45
IS310	10	30	16.5	20	45
IS311	11	30	17.5	20	45
IS312	12	30	19	20	45
IS313	13	30	20.5	22	55
IS314	14	30	22	22	60
IS315	15	30	22	22	60
IS316	16	30	24.5	22	65
IS317	17	30	26	22	75
IS319	19	30	27.5	22	75

1/2" DR. IMPACT SOCKET

METRIC SIZE

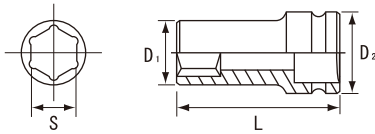
Item No. 6 - pt.	S mm	L mm	D ₁ mm	D ₂ mm	
IS410	10	40	17.5	25	80
IS411	11	40	19	25	80
IS412	12	40	20	25	80
IS413	13	40	21	25	80
IS414	14	40	22	25	80
IS415	15	40	23	25	90
IS416	16	40	25	25	90
IS417	17	40	26.5	26.5	100
IS418	18	40	28	28	120
IS419	19	40	28	28	120
IS420	20	40	30	30	130
IS421	21	40	30	30	130
IS422	22	40	32	30	130
IS423	23	40	34	30	140
IS424	24	40	36	30	170
IS425	25	40	36	30	170
IS426	26	40	36	30	180
IS427	27	40	39	30	180
IS428	28	40	40	30	170
IS429	29	40	42.2	30	190
IS430	30	42	42	30	190
IS432	32	45	46.4	30	250

3/4" DR. IMPACT SOCKET

METRIC SIZE

Item No. 6 - pt.	S mm	L mm	D ₁ mm	D ₂ mm	
IS617	17	50	30	39	260
IS619	19	50	33	39	270
IS620	20	50	34	39	270
IS621	21	50	35	39	270
IS622	22	50	37	39	280
IS623	23	50	39	39	300
IS624	24	50	39	39	300
IS626	26	50	42	41	310
IS627	27	50	42	41	310
IS628	28	50	44	41	360
IS629	29	52	46	41	370
IS630	30	52	46	41	400
IS632	32	52	49	41	410
IS633	33	52	49	41	410
IS634	34	56	51	41	440
IS635	35	56	51	41	440
IS636	36	56	54	41	500
IS638	38	56	57	41	530
IS641	41	56	61	41	550

SEMI-DEEP IMPACT SOCKET

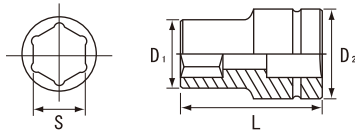
$\frac{1}{2}$ " DR. SEMI-DEEP IMPACT SOCKET



METRIC SIZE

Item No. 6 - pt.	S mm	L mm	D ₁ mm	D ₂ mm	
ISSD412	12	52	19	26	100
ISSD413	13	52	20.5	26	100
ISSD414	14	52	22	26	123
ISSD415	15	52	24	26	123
ISSD417	17	52	25.5	26	123
ISSD418	18	52	27	28	143
ISSD419	19	52	28	28	133
ISSD421	21	52	32	29	160
ISSD422	22	52	32	29	190
ISSD423	23	52	34	29	200
ISSD424	24	52	36	29	225

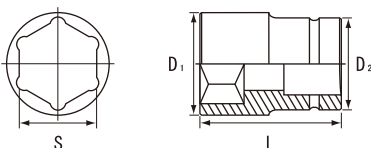
$\frac{3}{4}$ " DR. SEMI-DEEP IMPACT SOCKET



METRIC SIZE

Item No. 6 - pt.	S mm	L mm	D ₁ mm	D ₂ mm	
ISSD617	17	60	26	39	250
ISSD619	19	60	29	39	260
ISSD621	21	60	31.5	39	270
ISSD622	22	60	33	39	280
ISSD623	23	60	34.5	39	290
ISSD624	24	60	36	39	300

1" DR. SEMI-DEEP IMPACT SOCKET

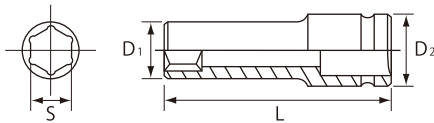


METRIC SIZE

Item No. 6 - pt.	S mm	L mm	D ₁ mm	D ₂ mm	
ISSD827	27	70	43	50	560
ISSD828	28	70	45	50	600
ISSD830	30	70	47	50	600
ISSD832	32	80	50	50	750
ISSD833	33	80	52	50	780
ISSD835	35	80	53	52	790
ISSD836	36	80	55	52	790
ISSD838	38	80	58	52	820
ISSD841	41	80	60	52	850

FLAG® DEEP IMPACT SOCKET / IMPACT ADAPTOR

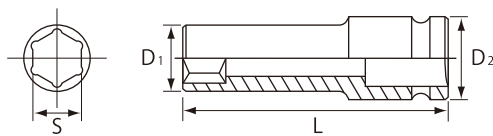
3/8" DR. DEEP IMPACT SOCKET



METRIC SIZE

Item No. 6 - pt.	S mm	L mm	D ₁ mm	D ₂ mm	
ISD36	6	60	11	19	60
ISD37	7	60	12	19	60
ISD38	8	60	13	19	60
ISD39	9	60	15	19	60
ISD310	10	60	16	19	70
ISD311	11	60	17	19	75
ISD312	12	60	19	19	80
ISD313	13	60	20	20	95
ISD314	14	60	22	22	110
ISD315	15	60	22	22	110
ISD316	16	60	24.5	22	120
ISD317	17	60	25	22	120
ISD319	19	60	26	22	170

1/2" DR. DEEP IMPACT SOCKET



METRIC SIZE

Item No. 6 - pt.	S mm	L mm	D ₁ mm	D ₂ mm	
ISD410	10	80	17.5	25	160
ISD411	11	80	19	25	160
ISD412	12	80	20	25	160
ISD413	13	80	21	25	170
ISD414	14	80	22	25	170
ISD415	15	80	23	25	170
ISD416	16	80	25	25	190
ISD417	17	80	26.5	26.5	200
ISD418	18	80	28	28	240
ISD419	19	80	28	28	240
ISD420	20	80	30	30	270
ISD421	21	80	30	30	270
ISD422	22	80	32	30	300
ISD423	23	80	34	30	340
ISD424	24	80	36	30	370
ISD425	25	80	36	30	370
ISD426	26	80	36	30	370
ISD427	27	80	39	30	370
ISD430	30	80	42.5	30	370
ISD432	32	80	44	30	370
ISD436	36	80	50	30	370

IMPACT ADAPTOR



Item No.	 SIZE 	
IAD3812	3/8" F × 1/2" M	76
IAD1238	1/2" F × 3/8" M	90
IAD1234	1/2" F × 3/4" M	117
IAD3412	3/4" F × 1/2" M	250
IAD341	3/4" F × 1" M	350
IAD134	1" F × 3/4" M	525



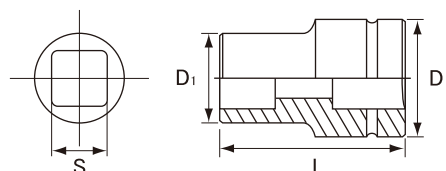
IMPACT ACCESSORY

1" DR. IMPACT INNER SOCKET



METRIC SIZE

Item No.	S mm	L mm	D ₁ mm	D ₂ mm	
IIS817.5	17.5	76	40	52	660
IIS819.5	19.5	76	44	52	700
IIS821	21	76	49	52	750

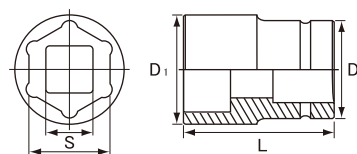


1" DR. IMPACT COMBINATION SOCKET



METRIC SIZE

Item No.	S mm	L mm	D ₁ mm	D ₂ mm	
ICS835-17	35×17	83	50	54	770
ICS838-20	38×20	83	55	54	870
ICS841-19	41×19	87	58	54	950
ICS841-21	41×21	87	58	54	915



IMPACT EXTENSION BAR



Item No.		Length mm	
IE3100	3/8"	100	100
IE3250	3/8"	250	250
IE475	1/2"	75	155
IE4100	1/2"	100	200
IE4150	1/2"	150	270
IE6100	3/4"	100	450
IE6150	3/4"	150	640
IE6250	3/4"	250	1030

IMPACT UNIVERSAL JOINT



Item No.		Length mm	
IUJ4	1/2"	70	190
IUJ6	3/4"	115	800



1/2" DR. IMPACT SOCKET SET



NO.IS4-10

IS4-10 10 pcs. Impact Socket Set		1600
Impact Socket 6 points	10 pcs.	10 11 12 13 14 16 17 19 21 22 mm
Metal Case	1 pce.	310 × 50 × 42

Packing : 1 set in metal case w / label , covered with printed box
 10 sets in export carton
 Weight / ctn. : 17 Kgs.
 M3 / ctn. : 0.01070

1/2" DR. DEEP IMPACT SOCKET SET



NO.ISD4-10

ISD4-10 10 pcs. Deep Impact Socket Set		2500
Socket 6 points	10 pcs.	10 11 12 13 14 16 17 19 21 22 mm
Metal Case	1 pce.	310 × 100 × 45

Packing : 1 set in metal case w / label , covered with printed box
 6 sets in export carton
 Weight / ctn. : 16 Kgs.
 M3 / ctn. : 0.01133

SHOCK DRIVER SET



SHOCK DRIVER SET ID-406

ID-406 6 pcs.		1150
Bit (L) 36 mm	4 pcs.	⊕ No.2 , No.3 ⊖ 8.0 , 10.0 mm
Accessory	2 pcs.	Impact Driver (12.7 mm) Bit Holder (Hex 8 mm)
Metal Case	1 pce.	185 × 80 × 40

SHOCK DRIVER SET ID-408L

Bit (L) 80 mm	6 pcs.	⊕ No.1 , No.2 , No.3 ⊖ 7.0 , 8.0 , 10.0 mm
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1/2" DR. IMPACT EXTENSION SOCKET (FOR WHEEL NUT)



Item No.	Size mm	Length mm	
IES417	17	110	215
IES419	19	110	216
IES421	21	110	222

SOCKET & ACCESSORY SET

DR. SOCKET & ACCESSORY SET



NO.F-220M

F220M	20 pcs.	Socket	Set		1000
Socket 6 points	11 pcs.		4 4.5 5 5.5 6 7 8 9 10 11 12 mm		
Accessory	8 pcs.		Ratchet 50mm Extension Bar 150mm Extension Bar Sliding T Handle Spinner Handle Flex Handle Spin Disc Cross Bar		
Metal Case	1 pce.		242 × 118 × 38		

NO.F-220S

Socket 6 points	11 pcs. SAE	5/32 3/16 7/32 1/4 9/32 5/16 11/32 3/8 13/32 7/16 1/2"
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12sets in export carton Weight / ctn. : 13Kgs M₃ / ctn. : 0.00215

DR. SOCKET & ACCESSORY SET



NO.F-217M

F217M	17 pcs.	Socket	Set		840
Socket 6 points	11 pcs.		4 4.5 5 5.5 6 7 8 9 10 11 12 mm		
Accessory	5 pcs.		Ratchet 50mm Extension Bar 150mm Extension Bar Flex Handle Cross Bar		
Metal Case	1 pce.		200 × 110 × 30		

NO.F-217S

Socket 6 points	11 pcs. SAE	5/32 3/16 7/32 1/4 9/32 5/16 11/32 3/8 13/32 7/16 1/2"
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20sets in export carton Weight / ctn. : 17.7Kgs M₃ / ctn. : 0.00178

DR. SOCKET & ACCESSORY SET



NO.F-219

F219	19 pcs.	Socket	Set		700
Socket 6 points	15 pcs.		5 6 7 8 9 10 11 12 mm 3/16 7/32 1/4 9/32 11/32 3/8 7/16"		
Accessory	3 pcs.		Ratchet Spinner Handle Flex Handle		
Metal Case	1 pce.		185 × 80 × 32		

20sets in export carton Weight / ctn. : 15Kgs M₃ / ctn. : 0.01894

1/4" DR. SOCKET & ACCESSORY SET



NO.F-234M

F234M 35 pcs.		Socket	Set	960
Socket 6 points	11 pcs.		4 4.5 5 5.5 6 7 8 9 10 11 13 mm	
Bit Socket	13 pcs.		3 4 5 6 8 10 mm ⊕ No.1, 2, 3, 4 ⊖ 4, 5.5, 7 mm	
Accessory	10 pcs.		Ratchet 50mm Extension Bar 100mm Extension Bar S.T.Handle U.Joint Spinner Handle Spin Disc Hex Key Wrench 1.5 2 2.5 mm	
Metal Case	1 pce.		200 × 110 × 30	

20sets in export carton Weight / ctn. : 20Kgs M₃ / ctn. : 0.0178

1/4" 3/8" DR. SOCKET & ACCESSORY SET



NO.F-2121M

F2121M 20 pcs.		Socket	Set	1700
Socket 6 points	7 pcs.		1/4 4 4.5 5 5.5 6 7 8 mm	
Socket 12 points	7 pcs.		3/8 9 10 12 13 14 17 19 mm	
Accessory	6 pcs.		Ratchet 75mm Extension Bar 150mm Extension Bar Plug Socket 21mm Adaptor 3/8F × 1/4M Spinner Handle	
Metal Case	1 pce.		292 × 145 × 35	

10sets in export carton Weight / ctn. : 18Kgs M₃ / ctn. : 0.0224

3/8" DR. SOCKET & ACCESSORY SET



NO.F-315M

F315M 16 pcs.		Socket	Set	2100
Socket 6 or 12 points	9 pcs.		9 10 12 13 14 17 19 20 22 mm	
Accessory	6 pcs.		Ratchet 75mm Extension Bar 150mm Extension Bar Flex Handle Plug Socket 21mm Cross Bar	
Metal Case	1 pce.		292 × 145 × 35	

10sets in export carton Weight / ctn. : 22Kgs M₃ / ctn. : 0.01947

SOCKET & ACCESSORY SET

3/8" DR. SOCKET & ACCESSORY SET



NO.F-322M

F322M	22 pcs.	Socket	Set	2450
Socket 6 or 12 points	13 pcs.	6 7 8 9 10 11 12 13 14 17 19 21 23 mm		
Accessory	8 pcs.	Ratchet 75mm Extension Bar 125mm Extension Bar 200mm Sliding T Handle 21mm Spark Plug Socket Flex Handle Cross Bar Spin Disc		
Metal Case	1 pce.	348 × 130 × 420		

6sets in export carton Weight / ctn. : 15Kgs. M₃ / ctn. : 0.01665

1/2" DR. SOCKET & ACCESSORY SET



NO.F-413M

F413M	14 pcs.	Socket	Set	2300
Socket 6 or 12 points	10 pcs.	10 11 12 13 14 17 19 22 23 24 mm		
Accessory	3 pcs.	Ratchet 125mm Extension Bar Plug Socket 21mm		
Metal Case	1 pce.	282 × 128 × 42		

10sets in export carton Weight / ctn. : 24Kgs M₃ / ctn. : 0.0262

1/2" DR. SOCKET & ACCESSORY SET



NO.F-417M

F417M	17 pcs.	Socket	Set	3620
Socket 6 or 12 points	13 pcs.	10 11 12 13 14 15 17 19 21 22 24 26 27 mm		
Accessory	3 pcs.	Ratchet 125mm Extension Bar 380mm Flex Handle		
Metal Case	1 pce.	400 × 100 × 50		

6sets in export carton Weight / ctn. : 23Kgs M₃ / ctn. : 0.02142

1/2" DR. SOCKET & ACCESSORY SET



NO.F-418M

F418M	18 pcs.	Socket	Set	3200
Socket 6 or 12 points	13 pcs.	9 10 11 12 13 14 15 16 17 19 21 23 26 mm		
Accessory	4 pcs.	Ratchet 125mm Extension Bar Sliding T Handle 21mm Spark Plug Socket		
Metal Case	1 pce.	375 × 155 × 45		

NO.F-418S

Socket 12 points	13 pcs. SAE	3/8 7/16 1/2 9/16 19/32 5/8 11/16 3/4 25/32 13/16 7/8 15/16 1"
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5sets in export carton Weight / ctn. : 17 Kgs. M₃ / ctn. : 0.02052

1/2" DR. SOCKET & ACCESSORY SET



NO.F-425M

F425M	25 pcs.	Socket	Set	5600
Socket	18 pcs.	10 11 12 13 14 15 16 17 18		
6 or 12 points		19 20 21 22 23 24 27 30 32 mm		
Accessory	6 pcs.	Ratchet 125mm Extension Bar 250mm Extension Bar Sliding T Handle Speeder Handle Universal Joint		
Metal Case	1 pce.	450 × 190 × 50		

NO.F-425S

Socket	18 pcs.	3/8 7/16 1/2 9/16 19/32 5/8		
12 points	SAE	11/16 3/4 25/32 13/16 7/8		
		15/16 31/32 1" 1-1/16 1-1/8		
		1-3/16 1-1/4"		

4sets in export carton Weight / ctn. : 24Kgs M₃ / ctn. : 0.02717

1/4" 1/2" DR. SOCKET & ACCESSORY SET



NO.F-4252M

F4252M	53 pcs.	Socket	Set	5400
Socket	11 pcs.	1/4	4 4.5 5 5.5 6 7 8 9 10	
6 points			11 13 mm	
Socket	13 pcs.	1/2	10 11 12 13 14 15 17 19	
6 or 12 points			22 24 27 30 32 mm	
Accessory	28 pcs.	1/4 Ratchet 100mm Extension Bar U.Joint S.T.Handle Bit Holder Bit Coupler Hex Key Wrench 1.5 2 2.5 Bit No.1 2 3 4 5.5 7 Magnet Ratchet Handle 1/2 Ratchet 125 & 250 mm Extension Bar U.Joint S.T.Handle 300 mm Plug Socket 21 mm		
Metal Case	1 pce.	450 × 190 × 50		

4sets in export carton Weight / ctn. : 23Kgs. M₃ / ctn. : 0.02717

3/4" DR. SOCKET & ACCESSORY SET



NO.F-615M

F615M	15 pcs.	Socket	Set	11200
Socket	10 pcs.	22 24 27 30 32		
12 points		36 38 41 46 50 mm		
Accessory	4 pcs.	Ratchet (Oval Type) 200mm Extension Bar 400mm Extension Bar Sliding T Handle		
Metal Case	1 pce.	516 × 160 × 82		

NO.F-615S

Socket	10 pcs.	7/8 15/16 1" 1-1/16 1-1/8		
12 points	SAE	1-1/4 1-1/2 1-5/8 1-3/4 2"		

2sets in export carton Weight / ctn. : 23Kgs. M₃ / ctn. : 0.0229

対話と前進

昭和
元年
十一月
六日
記
月華書
印

“Taiwa to zenshin” means “Discuss and Step forward”,
that is our basic principle.



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