

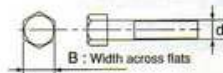
# SOCKET OR ADAPTER

## SOCKET POWER/HAND TORQUE TOOLS



A power hand torque tool normally tightens bolts by using a socket. Select a socket that matches the torque tool. Dimensions of the power torque tool square drives are given in the specification column on each page. Major screw head widths are given below in table E.

Width across flats of bolt. (Ref.)



Width across flats of bolt

NOMINAL SCREW (d)	HEX HEAD BOLT (B)	SMALL HEX HEAD BOLT (B)	HIGH STRENGTH HEX BOLT FOR FRICTION GRP JOINTS (B)	HEX SOCKET HEAD CAP SCREW (B)	HEX SOCKET SET SCREW (B)
M 2.5	4.5	—	—	2	1.27
M 3	5.5	—	—	2.5	1.5
(M 3.5)	6	—	—	—	—
M 4	7	—	—	3	2
(M 4.5)	8	—	—	—	—
M 5	8	—	—	4	2.5
M 6	10	—	—	5	3
(M 7)	11	—	—	—	—
M 8	13	12	—	6	4
M10	16	17	14	8	5
M12	18	19	17	22	10
(M14)	21	22	19	—	6
M16	24	22	27	14	8
(M18)	27	24	—	—	—
M20	30	27	32	17	10
(M22)	32	34	30	—	—
M24	36	32	41	—	—
(M27)	41	36	46	19	—
M30	46	41	50	22	—
(M33)	50	46	—	24	—
M36	55	50	—	—	—
(M39)	60	55	—	27	—
M42	65	—	—	32	—
Ref. JIS	JISB1180	JISB1180	JISB1186	JISB1176	JISB1177

How to order :

Indicate model name and catalog No.

(EXAMPLE) MODEL NAME CATALOG NO.  
 SOCKET 3P-10 250  
 Socket Inlet Sign | | Width Across Flats  
 Purpose Sign

SIGN	INLET	SIGN	PURPOSE
2	□6.3 (1/4")	P	for power tool
3	□9.5 (3/8")	H	for hand tool
4	□12.7 (1/2")	C	for power tool & hand tool
6	□19 (3/4")		
8	□25.4 (1")		

How to order :

Indicate model name and catalog No.

(EXAMPLE) MODEL NAME CATALOG NO.  
 ADAPTER 3P-4 290  
 Inlet Sign (Female) | | Outlet Sign (Male)  
 Purpose Sign

SOCKET FOR POWER TORQUE TOOL

MODEL	CATALOG NO.	DIMENSION mm	
		INLET (FEMALE)	WIDTH ACROSS FLATS
Socket 3P-10	250		10
Socket 3P-12	251		12
Socket 3P-13	252	9.5	13
Socket 3P-14	253		14
Socket 3P-16	255		16
Socket 3P-17	254		17
Socket 4P-14	260		14
Socket 4P-16	264		16
Socket 4P-17	261		17
Socket 4P-18	265	12.7	18
Socket 4P-19	262		19
Socket 4P-21	266		21
Socket 4P-22	263		22

Note 1 : O-ring and pin are not included. If these parts are required, user must supply them.

ADAPTER FOR POWER TORQUE TOOL

MODEL	CATALOG NO.	DIMENSION mm	
		INLET (FEMALE)	OUTLET (MALE)
Adapter 3P-4	290	9.5	12.7
Adapter 4P-3	291		9.5
Adapter 4P-6	292	12.7	19
Adapter 6P-4	293	19.0	12.7
Adapter 6P-8	294		25.4
Adapter 8P-6	295	25.4	19

Note 1 : O-ring and pin are not included. If these parts are required, user must supply them.

SOCKET FOR HAND TORQUE TOOL

MODEL	CATALOG NO.	DIMENSION mm	
		INLET (FEMALE)	WIDTH ACROSS FLATS
Socket 2H-8	201		8
Socket 2H-10	202	6.35	10
Socket 2H-12	203		12
Socket 2H-13	204		13
Socket 3H-10	210		10
Socket 3H-12	211		12
Socket 3H-13	212		13
Socket 3H-14	213	9.5	14
Socket 3H-16	216		16
Socket 3H-17	214		17
Socket 3H-18	217		18
Socket 3H-19	215		19
Socket 4H-14	220		14
Socket 4H-16	227		16
Socket 4H-17	221		17
Socket 4H-18	228		18
Socket 4H-19	222	12.7	19
Socket 4H-21	229		21
Socket 4H-22	223		22
Socket 4H-24	224		24
Socket 4H-27	225		27
Socket 4H-30	226		30
Socket 6H-21	237		21
Socket 6H-22	230		22
Socket 6H-24	231		24
Socket 6H-27	232	19.0	27
Socket 6H-30	233		30
Socket 6H-32	234		32
Socket 6H-34	236		34
Socket 6H-36	235		36
Socket 8H-32	240		32
Socket 8H-34	246		34
Socket 8H-36	241		36
Socket 8H-41	242	25.4	41
Socket 8H-46	243		46
Socket 8H-50	244		50
Socket 8H-55	245		55

Note 1 : For sockets with square drive sizes of 6.3 and 9.5, the opposite ends are single hex. For all other square drive sizes, it is double hex.

Note 2 : Please use catalog No. when ordering.

ADAPTER FOR HAND TORQUE TOOL

MODEL	CATALOG NO.	DIMENSION mm	
		INLET (FEMALE)	OUTLET (MALE)
Adapter 2H-3	270	6.35	9.5
Adapter 3H-2	271	9.5	6.3
Adapter 3H-4	272	9.5	12.7
Adapter 4H-3	273	12.7	9.5
Adapter 4H-6	274		19
Adapter 6H-4	275	19.0	12.7
Adapter 6H-8	276		25.4



POWER AND HAND TORQUE TOOL

MODEL	CATALOG NO.	DIMENSION mm	
		INLET (FEMALE)	WIDTH ACROSS FLATS
Socket 2C-2.5	430		2.5
Socket 2C-3	431	6.35	3
Socket 2C-4	432		4
Socket 3C-3	440		3
Socket 3C-4	441	9.5	4
Socket 3C-5	442		5
Socket 3C-6	443		6
Socket 4C-6	450		6
Socket 4C-8	451		8
Socket 4C-10	452	12.7	10
Socket 4C-12	453		12
Socket 4C-14	454		14
Socket 6C-14	460		14
Socket 6C-17	461	19.0	17
Socket 6C-19	462		19

Note 1 : For hex socket cap screws.