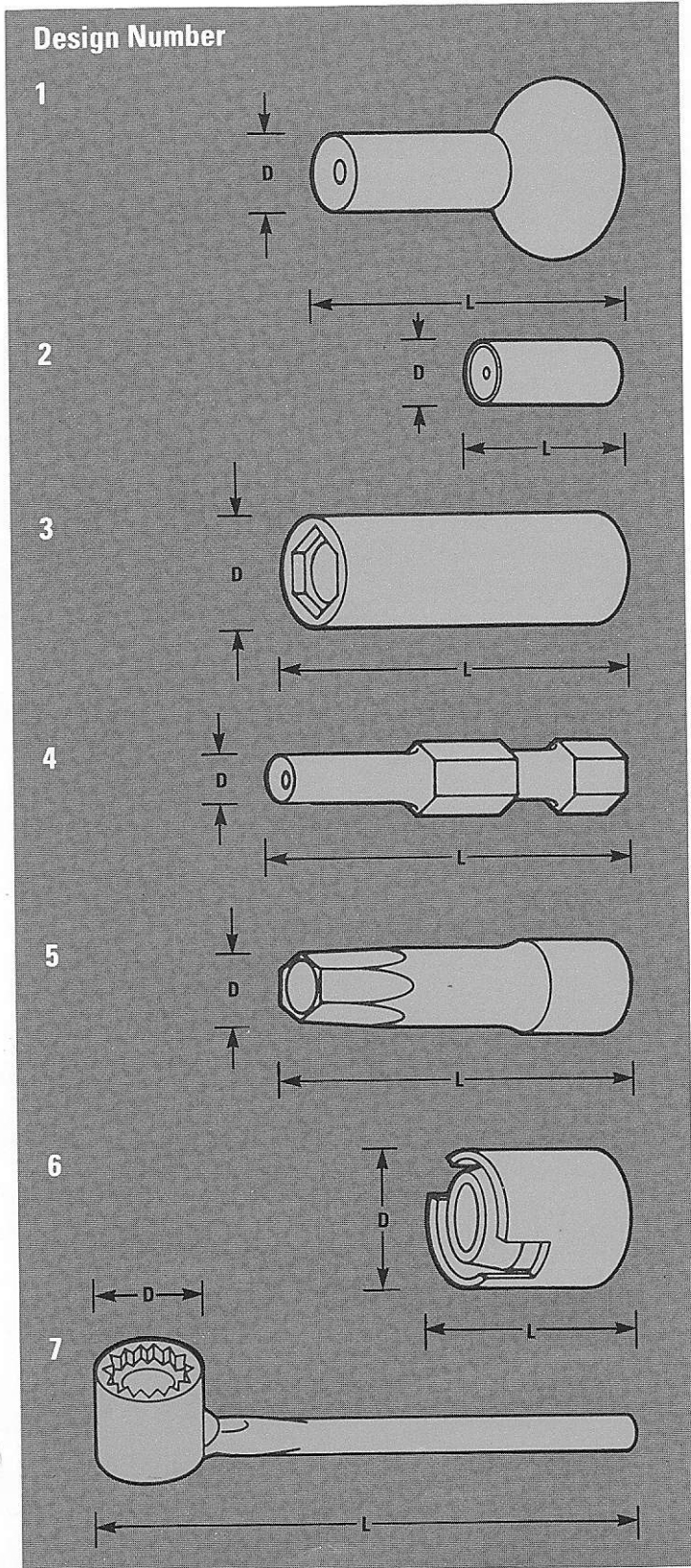


Wrenches for Palnut® Lock Nuts and tension nuts and applicators for Pushnut® bolt retainers

All tools are magnetized except Design 5 internal hex socket wrenches and Design 7 box wrenches. All tools between any pair of horizontal lines may be used with each of the fasteners grouped between the same lines.



Part Number	Design Number	Overall Length L	Bolt Clearance Depth	Diameter D
Fastener	Tool			
AC 632	WD 170312	3	1-13/16	.474
AC 832	WD 170344	3	1-13/16	1/2
AC 1024	WD 170375	3	1-13/16	.542
AC 1032	WD 170375	3	1-13/16	.542
AC 1420	WD 170438	3	1-13/16	5/8
AC 1827	WD 180562	3	2-1/16	7/8
AC 381609				
AC 51618				
AK 632	WDK 170312	3	1-13/16	1-3/8 .474
AK 832	WDK 170344	3	1-13/16	1-3/8 1/2
AK 1024	WDK 170375	3	1-13/16	1-1/4 .542
AK 1032				
AK 1420	WDK 170438	3	1-13/16	1-1/4 .615
AK 51618	WDK 180562	3	2-1/6	1-1/2 7/8
AK 103208	WN 170375	3	1-3/8	15/16 .542
DE 182714	WN 280562	3	2-1/4	29/32 7/8
	WNV 270562	3	3-3/16	1-5/16 3/4
DE 383210	WN 170500	3	2	1-15/32 45/64
	WNV 270500	3	3-3/16	7/8 11/16
DE 832075	WN 170344	3	1-3/8	15/16 1/2
	WN 176344	3	2	1-1/2 1/2
DF Parts	Wrenches are the same as those for the corresponding DO parts marked *			
DL 382413	None			
*DO 102408	WN 170375	3	1-3/8	15/16 .542
*DO 102410	WN 176375	3	2	1-1/2 .542
*DO 103208	WN 196375			
*DO 103210				
*DO 142011	WN 170438	3	1-3/8	15/16 .615
*DO 142013	WN 176438	3	2	1-1/2 .615
*DO 142016				
*DO 142095				
*DO 561813	WN 170500	3	2	1-15/32 45/64
DO 632007	WN 170312	3	1-3/8	15/16 .474
DO 632085	WN 176312	3	2	1-1/2 .474
*DO 832010	WN 170344	3	1-3/8	15/16 1/2
*DO 832075	WN 176344	3	2	1-1/2 1/2
DZ 001744	WN 170312	3	1-3/8	15/16 .474
	WN 176312	3	2	1-1/2 .474
DZ 001918	WN 170437	3	2	1-15/32 .703
JL 1420	WJ 180250	6	15/16	.450 3/4
JN 832	WJ 170164	6	15/16	39/64 3/4
JN 1024	WJ 170190	6	15/16	39/64 3/4
JN 1420	WJ 180250	6	15/16	.450 3/4
JN 51618	WJ 180312	6	1-1/16	19/32 1
JO 632	WJ 170138	6	15/16	39/64 3/4
JO 832	WJ 170164	6	15/16	39/64 3/4
JO 1024	WJ 170190	6	15/16	39/64 3/4
JO 1032				
JO 1224				
JO 1420	WJ 180250	6	15/16	.450 3/4
KD 102410	WNC 170438	3	1-13/16	.615
KZ 001705	WNC 170375	3	1-13/16	.542
KZ 102410	WNC 170438	3	1-13/16	.615
NR 440004	WW 100250	2	3	1/2
NR 440004	WN 160250	4	3	1/2
NR 632005	WW 100312			
NR 620005	WW 100312	4	3	1/2
NR 818005	WW 160312	4	3	1/2
NR 818006	WW 100375	2	3	5/8
NR 832006	WW 160375	4	3	5/8
NR 818008	WW 100500	2	3	3/4
NR 818085	WW 160500	4	3	3/4
PT 138055	WT 150138	1	3	1-1/4 7/16
PT 164006	WT 150164	1	3	1-1/4 7/16
PT 190007	WT 150190	1	3	1-1/4 1/2
PT 250008	WT 150250	1	3-1/2	1-7/8 9/16

(continued)

Tools for Lock Nuts (continued)

Part Number	Design Number	Overall Length L	Bolt Clearance Depth	Diameter D	
Fastener	Tool				
PT 312010	WT 150312	1	3-1/2	1-7/8	11/16
PT 375125	WT 150375	1	5-3/4	1-7/8	7/8
PT 438135	WT 150438	1	5-3/4	1-7/8	15/16
PT 500015	WT 150500	1	6	2-1/4	1
RE 1432	WN 170438	3	2	15/16	.615
RE 3827	WI 370562A	5	1-3/4	1-13/32	5/8
	WNV 270562	3	3-3/16	1-5/16	3/4
RE 3832	WI 370562	5	1-3/4	1-13/32	5/8
	WIV 370562	5	3	2-5/8	9/32
	WNV 270562	3	3-3/16	1-5/16	3/4
RE 5832	WI 396750	5	2-11/16	1-15/16	57/64
RF 789	WV 350875	7	11-11/16	-	1-11/16
RF 1420	WI 370438A	5	1-9/16	1-7/32	1/2
	WN 170438	3	2	15/16	.615
RF 1428	WI 370438	5	1-9/16	1-7/32	1/2
	WN 170438	3	2	15/16	.615
RF 3410	WB 350750	7	11-7/16	-	1-7/16
RF 3816	WN 280562	3	2-1/4	29/32	7/8
	WNV 270562	3	3-3/16	3/4	3/4
RF 3824	WI 370562A	5	1-3/4	1-13/32	5/8
	WN 280562	3	2-1/4	29/32	7/8
	WNV 270562	5	3-3/16	1-5/16	3/4
RF 5811	WBF 350625	7	8-1/4	-	1-1/4
	WN 390937	3	1-1/2	3/4	1-1/4
RF 5818	WBF 350625	7	8-1/4	-	1-1/4
	WN 390937	3	1-1/2	3/4	1-1/4
RF 51618	WN 170500	3	2	1-15/32	45/64
	WNV 270500	3	3-3/16	7/8	11/16
RF 51624	WI 370500	5	1-3/4	1-13/32	5/8
	WN 170500	3	2	1-15/32	45/64
	WNV 270500	3	3-3/16	7/8	11/16
RH 1420	WN 170500	3	2	1-15/32	45/64
	WNV 270500	3	3-3/16	1-5/16	11/16
RH 51618	WI 370562B	5	1-3/4	1-13/32	5/8
	WN 280562	3	2-1/4	29/32	7/8
	WNV 270562	3	3-3/16	3/4	3/4
RI 440	WN 170250	3	2	1-9/16	25/64
RI 632	WN 170312	3	2	15/16	.474
	WN 176312	3	2	-	.474
RI 832	WN 170344	3	2	15/16	1/2
RI 1024	WN 170375	3	2	15/16	.542
RI 1420	WN 170438	3	2	15/16	.615
RL 71620	WB 350375	7	5-15/16	-	15/16
RM 348	WI 370188	5	1-9/16	1-7/32	21/64
RM 440	WN 170250	3	2	1-9/16	25/64
	WNR 170250	3	2	1-9/16	25/64
RM 632	WI 370312	5	1-9/16	1-7/32	1/2
	WN 170312	3	2	15/16	.474
	WN 176312	3	2	1-1/2	.474
	WNR 170312	3	2	1-9/16	.474
RM 832	WI 370344	5	1-9/16	1-7/32	1/2
	WN 170344	3	2	15/16	1/2
	WN 176344	3	2	1-1/2	1/2
	WNR 170344	3	2	1-9/16	1/2
RM 1024	WI 370375A	5	1-9/16	1-7/32	1/2
RM 1032	WI 370375	5	1-9/16	1-7/32	1/2
	WN 170375	3	2	15/16	.542
	WN 176375	3	2	1-1/2	.542
RM 103205	WI 370312	5	1-9/16	1-7/32	1/2
	WN 170312	3	2	15/16	.474
	WN 176312	3	2	1-1/2	.474
	WNR 170312	3	2	1-9/16	.474
RM 436003	WI 370188	5	1-9/16	1-3/16	21/64
RM 440003					
RM 540004	WI 370250	5	1-9/16	1-7/32	21/64
RM 632004	WN 170250	3	2	1-9/16	25/64
RM 640004	WNR 170250	3	2	1-9/16	25/64

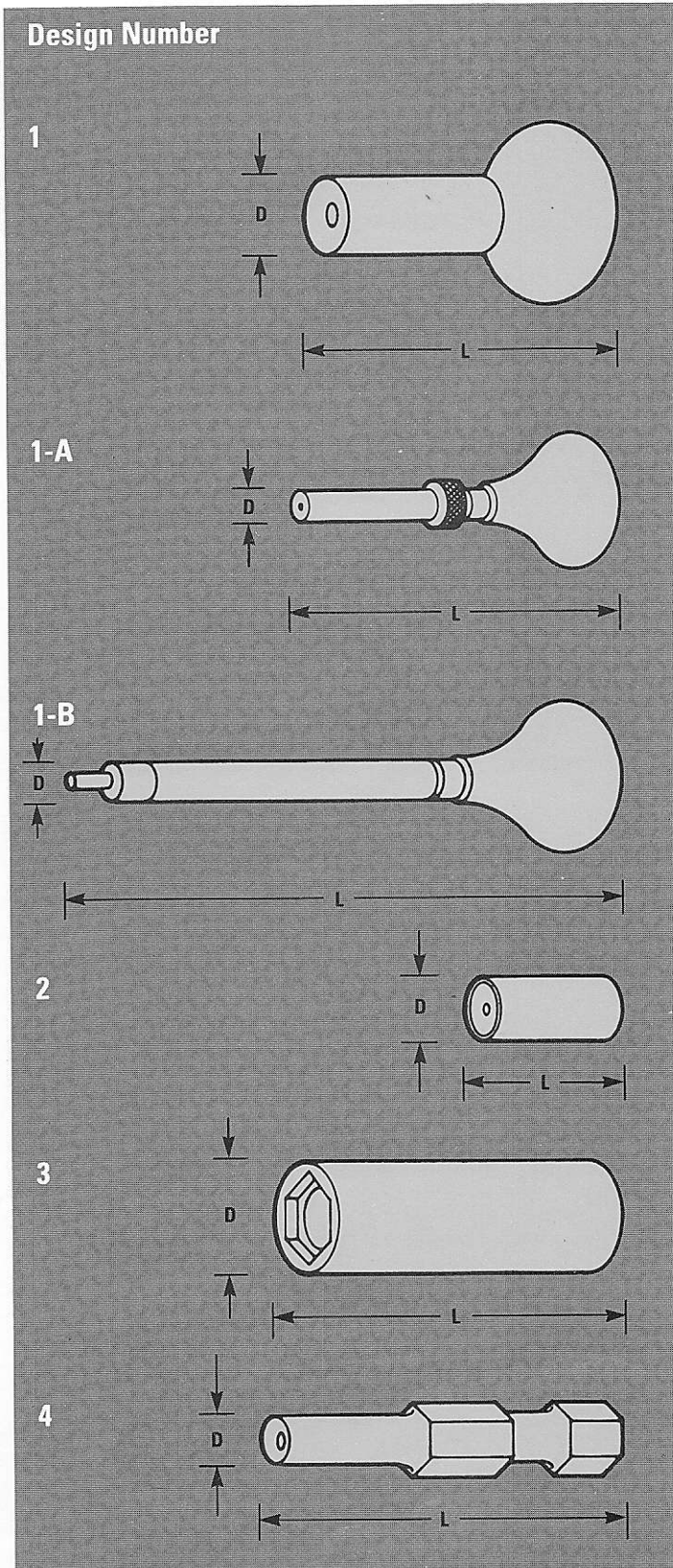
Part Number	Design Number	Overall Length L	Bolt Clearance Depth	Diameter D	
Fastener	Tool				
RP 1827	WI 370562A	5	1-3/4	1-13/32	5/8
	WN 280562	3	2-1/4	29/32	7/8
	WNV 270562	3	3-3/16	3/4	3/4
RR 1213	WB 350500	7	7-1/8	-	1-1/8
RR 3816	WB 350375	7	5-15/16	-	1-1/8
RR 5811	WB 350625	7	9-5/16	-	1-5/16
TO 103205	WN 170312	2	1-3/8	15/16	.474
	WN 176312	3	2	1-1/2	.474
TO 103206	WN 170375	3	2	15/16	.542
	WN 176375	3	2	1-1/2	.542
TO 256004	WN 170250	3	2	1-9/16	25/64
TO 348004					
TO 436004					
TO 448004	WN 170250	3	2	1-9/16	25/64
TO 540004					
TO 632004					
TO 632005	WN 170312	3	2	15/16	.474
	WN 176312	3	2	1-1/2	.474
TO 656004	WN 170250	3	2	1-9/16	25/64
TO 832005	WN 170312	3	2	15/16	.474
	WN 176312	3	2	1-1/2	.474

Metric Lock Nuts

Part Number	Design Number	Overall Length L	Diameter D	Hex, mm	Stud Clearance	
Fastener	Tool	mm	mm			
DF 050014	WN 170010	3	35	14	10	23
	WN 176010	3	50	14	10	38
PS 320009	WH 150125	1	76	11	-	32
	WH 160125	4	76	13	-	16
PS 040011	WS 150188	1	83	11	-	38
	WS 160188	4	76	13	-	16
PS 100019	WS 100375	2	76	19	-	38
	WS 160375	4	76	19	-	16
PS 050311	WS 150005	1	83	12	-	38
	WS 160005	4	76	13	-	16
PT 050011	WT 150190	1	76	13	-	32
PT 630013	WT 150250	1	89	14	-	48
PT 080016	WT 150312	1	89	17.5	-	48
PT 100020	WT 150375	1	146	22	-	48
PT 120021	WT 150500	1	152	25	-	57
PZ 001957	WT 150375	1	146	22	-	48
RF 050013	WN 170013	3	35	17.5	13	23
	WN 176013	3	50	17.5	13	38
	WI 370512A	5	44	16	-	36
RF 160024	WN 390024	3	38	33	24	19

Wrenches for Palunt® Self-threading Nuts and Zip twist nuts and applicators for Pushnut® fasteners

All wrenches and applicators are magnitized except Design 5 internal hex sockets and applicators WS 350438 and WS 350500. All tools between any pair of horizontal lines may be used with each of the fasteners grouped between the same lines.



Part Number	Design Number	Overall Length L	Bolt Clearance Depth	Diameter D
BD 125009	WN 170375	3	2	.542
BF 188610	WN 170375	3	2	.542
	WN 176375	3	2	.542
BR 125	WN 170375	3	2	.542
BR 125005	WN 170312	3	2	.474
	WN 176312	3	2	.474
	WNR 170312	3	2	.474
	W 1370312A	5	1-9/16	1/2
BR 188006	W 1370375	5	1-9/16	1/2
	WN 170375	3	2	.542
BR 250	WN 170500	3	2	.703
BZ 001620	WN 170375	3	2	.542
BZ 001678	WN 176375	3	2	.542
KB 188610	WNC 170438	3	1-13/16	.615
PA 125006	WH 150125	1	3	7/16
PA 188307	WS 150188	1	3-1/4	7/16
PA 188307				
PA 210375	WS 150210	1	3-1/4	7/16
PA 250085	WS 150250	1	3-1/2	1/2
PA 250385	WS 100250	2	3	1/2
	WS 160250	4	3	5/8
PA 312010	WS 100312	2	3	5/8
PA 312310	WS 160312	4	3	5/8
PB 094070	WP 350094	1	3-1/4	5/16
PB 125040	WP 350125	1	3-1/4	5/16
PB 125070	WP 351125	1A	3-3/4	3/8
PB 188040	WP 350188	1	3-1/4	3/8
PB 188070	WP 351188	1A	4-1/8	7/16
PC 120	WD 170312	3	1-13/16	.474
	WZ 001568	4	3	1/2
PC 148	WD 170344	3	1-13/16	1/2
PC 156	WZ 001548	4	3	1/2
PC 188	WD 170438	3	1-13/16	5/8
	WZ 001509	4	3	5/8
PC 188006	WD 170375	3	1-13/16	.542
	WZ 001513	4	3	5/8
PC 250	WD 180562	3	1-13/16	7/8
	WZ 001101	4	3	3/4
PC 250007	WD 170438	3	1-13/16	5/8
	WZ 001509	4	3	5/8
PC 312	WD 180562	3	1-13/16	7/8
	WZ 001101	4	3	3/4
PD 156007	WS 150188	1	3-1/4	7/16
PD 156307	WS 160188	4	3	1/2
PD 219085	WS 150250	1	3-1/2	1/2
PD 219385	WS 100250	2	3	1/2
	WS 160250	4	3	5/8
PH 062	WH 150078	1	3	5/16
PH 094	WH 150094	1	3	3/8
	WH 160094	4	3	7/16
PH 125	WH 150125	1	3	7/16
	WH 160125	4	3	1/2
PK 120	WDK 170312	3	1-13/16	.474
	WZ 001568	4	3	1/2
PK 188	WDK 170438	3	1-13/16	.615
	WZ 001509	4	3	5/8
PK 250	WDK 180562	3	2-1/16	7/8
	WZ 001101	4	3	3/4
PK 312	WDK 180562	3	2-1/16	7/8
	WZ 001101	4	3	3/4
PQ 094040	WP 155094	1B	5-15/32	3/8
PQ 125040	WP 155125	1B	5-1/2	3/8
PQ 188040	WP 155188	1B	5-9/16	3/8
PR 312075	WR 150312	1	3-1/4	1/2
PR 375010	WR 100375	2	3	5/8
PR 490013	WR 100490	2	3	13/16
PS 062032	WS 150094	1	3-1/4	.225

(continued)

Tools for Self-threading Nuts (continued)

Part Number	Design Number	Overall Length L	Bolt Clearance Depth	Diameter D
Fastener	Tool			
PS 094032	WS 150094	1 3	7/16	1-1/4
PS 125006	WH 150125	1 3	7/16	1-1/4
PS 125306	WH 160125	4 3	1/2	.635
PS 188007	WS 150188	1 3-1/4	7/16	1-1/2
PS 188307	WS 160188	4 3	1/2	.635
PS 240085	WS 150250	1 3-1/2	1/2	1-1/2
PS 250085	WS 100250	2 3	1/2	1-1/2
PS 250385	WS 160250	4 3	5/8	.637
PS 312010	WS 100312	2 3	5/8	1-1/2
PS 312310	WS 160312	4 3	5/8	.625
PS 375012	WS 100375	2 3	3/4	1-1/2
PS 375312	WS 160375	4 3	3/4	.625
PS 438014	WS 300438	2 4	7/8	2
PS 500016	WS 300500	2 4	1	2
PV series	WT 150438	1 5-3/4	15/16	1-7/8
PW 188007	WW 150188	1 5-1/2	1/2	
PW 188008	WW 100188	2 3	1/2	
	WW 160188	4 3	1/2	
PW 250008	WW 100250	2 3	1/2	
	WW 160250	4 3	1/2	
PW 250009	WW 100250	2 3	1/2	
	WW 160250	4 3	1/2	
PW 312010	WW 100312	2 3	1/2	
	WW 160312	4 3	1/2	
PW 375011	WW 100375	2 3	5/8	
PW 375012	WW 160375	4 3	5/8	
PW 438014	WW 100438	2 3	3/4	
	WW 160438	4 3	3/4	
PW 500015	WW 100500	2 3	3/4	
	WW 160500	4 3	3/4	
PW 625019	WW 100625	2 3	7/8	
	WW 160625	4 3	7/8	
PZ 001062	WW 150188	1 5-1/2	1/2	
	WW 100188	2 3	1/2	
	WW 160188	4 3	1/2	
PZ 001143	WW 150250	2 3	1/2	
	WW 160250	4 3	1/2	
PZ 001250	WH 150188	1 3	5/8	1-1/4
	WH 160188	4 3	1/2	.625
PZ 001514	WS 100312	2 3	5/8	1-1/2
PZ 001752	WS 160312	4 3	5/8	.625
PZ 001752	WS 300500	2 4	1	2
PZ 001791	WZ 001814	Special 5-3/16	1/2	1-1/4
PZ 001845	WZ 001814	Special 5-3/16	1/2	1-1/4
PZ 001935	WZ 001814	Special 5-3/16	1/2	1-1/4
SC 125	WD 170312	3 1-13/16	.474	
SC 156007	WD 170438	3 1-13/16	5/8	
SC 188				
SC 250009	WD 180562	3 2-1/16	7/8	
SD 125007	WN 170312	3 2	.474	15/16
SD 125085	WN 176312	3 2	.474	1-1/2
SD 156009	WN 170344	3 2	1/2	15/16
	WN 176344	3 2	1/2	1-1/2
SD 188008	WN 176375	3 2	.542	1-1/2
SD 188010				
SD 250011	WN 176438	3 2	.615	1-1/2
SD 250095				
SF series	Wrenches are the same as those for the corresponding SD parts			
SH 188010	WN 176375	3 2	.542	1-1/2
SK 125007	WN 170312	3 2	.474	15/16
SK 156609	WN 170375	3 2	.542	15/16
SK 188008	WN 176375	3 2	.542	1-1/2
SK 188009				
SK 188010				
SP 219	WI 370438	5 1-9/16	1/2	1-7/32
	WN 170438	3 2	.615	15/16
	WN 176438	3 2	.615	1-1/2

Part Number	Design Number	Overall Length L	Bolt Clearance Depth	Diameter D
Fastener	Tool			
SP 330012	WN 1700500	3 2	.703	1-15/32
SP 330016	WN 170500	3 2	.703	1-15/32
SR 094005	WI 370312A	5 1-9/16	1/2	1-7/32
SR 125	WN 170312	3 2	.474	15/16
	WN 176312	3 2	.474	1-1/2
	WNR 170312	3 2	.474	
SR 125004	WI 370250A	5 1-9/16	1/2	1-7/32
	WN 170250	3 2	.390	1-9/16
	WNR 170250	3 2	.390	1-9/16
SR 156	WI 370344A	5 1-9/16	1/2	1-7/32
	WN 170344	3 2	1/2	15/16
	WN 176344	3 2	1/2	1-1/2
	WNR 170344	3 2	1/2	1-9/16
SR 156007	WN 170438	3 2	.615	15/16
	WN 176438	3 2	.615	1-1/2
SR 188	WI 370500	5 1-3/4	5/8	1-13/32
	WN 170500	3 2	.703	1-15/32
SR 188006	WI 370375B	5 1-9/16	1/2	1-7/32
	WN 170375	3 2	.542	15/16
	WN 176375	3 2	.542	1-1/2
SR 250	WN 170500	3 2	.703	1-15/32
SZ 001919	WN 170375	3 2	.542	15/16
	WN 176375	3 2	.542	1-1/2
SZ 001966	WN 170375	3 2	.542	15/16
	WN 176375	3 2	.542	1-1/2
SZ 250	WJ 180250	6 15/16	3/4	.450
YO 001780	WZ 001819	Special 3-7/8	3/8	3/4

Metric Self-threading Nuts

Part Number	Design Number	Overall Length L	Diameter D	Hex, mm	Stud Clearance
Fastener	Tool	mm	mm		
SC 050011	WD 170011	3 46	15	11	
SC 050013	WD 170013	3 46	17.5	13	
SD 050015	WN 170010	3 35	14	10	23
	WN 176010	3 50	14	10	38
SF 060018	WN 170011	3 35	15	11	23
	WN 176011	3 50	15	11	38
SF 630021	WN 170011	3 35	15	11	23
	WN 176011	3 50	15	11	38
SF 060024	WN 170011	3 35	15	11	23
	WN 176011	3 50	15	11	38
SK 040015	WN 170009	3 35	13	9	23
	WN 176009	3 50	13	9	38
SK 050015	WN 170010	3 35	14	10	23
	WN 176010	3 50	14	10	38
SR 320008	WN 170008	3 35	12	8	23
	WN 176008	3 50	12	8	38
SR 050010	WN 170009	3 35	13	9	23
	WN 176009	3 50	13	9	38
SR 050010	WN 170010	3 35	14	10	23
	WN 176010	3 50	14	10	38
	WI 370394	5 40	13		31
SR 050013	WN 170013	3 35	17.5	13	23
	WN 176013	3 50	17.5	13	38
	WI 370512	5 44	16		35

Accessories for use with Palnut Tools

Shanks

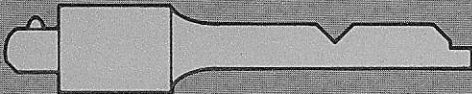
For adapting wrenches with square drive recess to power tools having hex drive bit holders.



Part Number	Length	Socket End (Square)	Power Tool End (Hexagon)
WAS 362008	2"	1/4"	1/4"
WAS 362208	2"	3/8"	1/4"
WAS 362308	2"	1/2"	1/4"

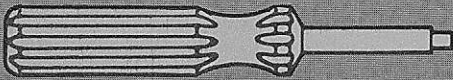
Shanks

For adapting wrenches with square drive recess to yankee driver.



Part Number	Shank Diameter	Size of Square Drive	Used with Yankee Driver
WAS 350022	7/32"	1/4"	135
WAS 350028	9/32"	1/4"	130A

Screwdriver Type Handles



Part Number	Size of Square Drive
WAH 350002	1/4"
WAH 350021	3/8"

Extensions



Part Number	Length	Size of Square Drive
WAE 372002	2"	1/4"
WAE 376006	6"	1/4"
WAE 376025	6"	3/8"