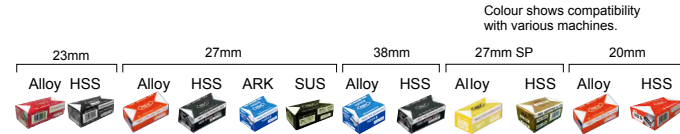


# Compatibility Tables

## 40A-100A (Except R50A / NR50A)

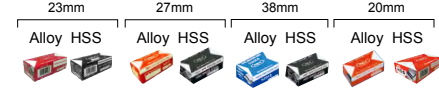
S40A					Compatibility (Old model)
NP50A					N40A
NP80A					N50A, P50A
N100A					N80A, S80A



### Dies Table

ISO 7-1 (JIS B0203) <R> British Standard Pipe Thread: Tapered

BSPT	Tpi	Angle	Width	Alloy	HSS	"SUS"	DH								
1/2" - 3/4"	19	55	23 mm	160003	166003	-	290000								
1/2" - 1/2"	14	55	27 mm	161907 *1	166007	166351	290820	295633	292820	292850	295649	295652	295643	292810	292814
1" - 1 1/2"	11	55	27 mm	161910	166010	166352	290820	295633	292820	29A870	295643	290020			
1 1/2" - 2"	11	55	27 mm	161930	166030	166353	295643	290020							
1" - 2"	11	55	27 mm	16K030 *1	16K230	166357	295649	292810	292814						
1" - 2"	11	55	38 mm	16B430	16E030	-	292020								
2 1/2" - 3"	11	55	27 mm	161950 *2	166050	166354	290030	295660							
2 1/2" - 3"	11	55	38 mm	16B450 *3	16E050	-	292030								
2 1/2" - 3"	11	55	27 mm SP	16A501	16A511	-	29A901								
2 1/2" - 4"	11	55	20 mm	162460 *4	16C060	-	293040								



ANSI / ASME B 1.20.1 (American) National Pipe Thread: Tapered

NPT	Tpi	Angle	Width	Alloy	HSS	DH								
1/4" - 1/4"	18	60	23 mm	160303	166303	290000								
1/4" - 3/8"	18	60	27 mm	161303	-	295630	295655							
1/2" - 3/4"	14	60	27 mm	161307 *5	166307	295630	295633	292850	295655	295652	295643	292812	292810	292816
1" - 1 1/2"	11.5	60	27 mm	161310	166310	295630	295633	295643						
1 1/2" - 2"	11.5	60	27 mm	161330	166330	295643								
1" - 2"	11.5	60	27 mm	16K330 *5	16K430	295655	295652	292812	292810	292814				
1" - 2"	11.5	60	38 mm	16B030	16E330	292020								
2 1/2" - 3"	8	60	27 mm	161350 *6	166350	295660								
2 1/2" - 4"	8	60	20 mm	162360 *7	16C360	293050								

ISO 68-1/261 (JIS B 0205) <M> Metric Thread for Bolt: Parallel

Metric	Pitch	Angle	Width	Alloy	HSS	DH	
M8	1.25	60	27 mm	167702	167722	29082A	29002A
M10	1.5	60	27 mm	167703	167723	29082A	29002A
M12	1.75	60	27 mm	167705	167725	29082A	29002A
M14-16	2.0	60	27 mm	167706	167726	29082A	29002A
M18-22	2.5	60	27 mm	167707	167727	29082A	29002A
M24-27	3.0	60	27 mm	167709	167729	29082A	29002A
M30-33	3.5	60	27 mm	16770A	16772A	29082A	29002A
M36-39	4.0	60	27 mm	16770B	16772B	29082A	29002A
M42-45	4.5	60	27 mm	16770C	16772C	29082A	29002A
M48-52	5.0	60	27 mm	16770D	16772D	29002A	
M20P1.5	1.5	60	27 mm	16770E	-	29003A	
M25P1.5	1.5	60	27 mm	16770F	-	29003A	
M32P1.5	1.5	60	27 mm	16770G	-	29003A	

BS84 British Standard Whitworth for Bolt: Parallel

BSW	Tpi	Angle	Width	Alloy	HSS	DH	
W 1/16	18	55	23 mm	160502	160521	290000	
W 3/16	16	55	23 mm	160503	160522	290000	
W 1/4	14	55	23 mm	160504	160530	290000	
W 5/16	12	55	23 mm	160505	160523	290000	
W 3/8	11	55	23 mm	160506	160524	290000	
W 1/2	10	55	23 mm	160507	160525	290000	
W 5/8	9	55	23 mm	160508	160526	290000	
W 3/4	8	55	27 mm	160509	160527	290820	295643
W 1 1/4	7	55	27 mm	160510	160528	290820	295643

ISO 263 (ANSI B 1.1, JIS B 0206) <UNC> Unified National Coarse thread for Bolt: Parallel

UNC	Tpi	Angle	Width	Alloy	DH	
3/8"	18	60	27 mm	167502	29562U	29001B
1/2"	14	60	27 mm	167503	29562U	29001B
3/4"	12	60	27 mm	167504	29562U	29001B
1"	11	60	27 mm	167505	29562U	29001B
1 1/8"	10	60	27 mm	167506	29562U	29001B
1 1/4"	9	60	27 mm	167507	29562U	29001B
1 1/2"	8	60	27 mm	167508	29562U	29001B
1 3/4"	7	60	27 mm	167509	29562U	29001B
2"	6	60	27 mm	167510	29562U	29001B
2 1/4"	5	60	27 mm	167511	29562U	29001B

JIS B 0204 <CTC> Conduit, thin steel pipe thread (parallel) for electrical wiring

Conduit	Tpi	Angle	Width	Alloy	DH	
C19 - 25	16	80	27 mm	161209	290823	290023
C31 - 51	16	80	27 mm	161230	290823	290023
C63 - 75	16	80	27 mm	161250	290033	

### Dies

- \*1: Standard Equipment with NP50A series, NP80A series, N100A BSPT version
- \*2: Standard Equipment with NP80A, NP80AV BSPT version
- \*3: Standard Equipment with NP80AVIII BSPT version
- \*4: Standard Equipment with N100A BSPT version
- \*5: Standard Equipment with NP50A series, NP80A series, N100A NPT version
- \*6: Standard Equipment with NP80A, NP80AV NPT version
- \*7: Standard Equipment with N100A NPT version

ISO 228-1 (JIS B 0202) <G> British Standard Pipe Thread: Parallel  
JIS B 0204 <GTG> Conduit, thick steel pipe thread (parallel) for electrical wiring

BSPP	Tpi	Angle	Width	Alloy	DH	
G 1/2 - 3/4	14	55	27 mm	162083	295652	292810
G 1 - 2	11	55	27 mm	16K040	295652	292810
G 2 1/2 - 3	11	55	27 mm	162084	295660	

PF	Tpi	Angle	Width	Alloy	DH	
PF16 - 22	14	55	27 mm	161107	290823	290023
PF28 - 36	11	55	27 mm	161110	290823	290023
PF42 - 54	11	55	27 mm	161130	290023	
PF70 - 82	11	55	27 mm	161150	290033	
PF92 - 104	11	55	38 mm	163160	293041	

ANSI/ASME B 1.20.1 (American) National Pipe Thread: Straight Mechanical

NPSM	Tpi	Angle	Width	Alloy	DH	
1/2" - 3/4"	18	60	23 mm	161360	(290000)	
1/2" - 1/2"	14	60	27 mm	161362	295656	
1" - 1 1/4"	11.5	60	27 mm	161364	295656	
1 1/2" - 2"	11.5	60	27 mm	161366	295656	

Grooving	Gv.W.	Angle	Width	Alloy	DH	
3/4"	8	90	20 mm	16G607	292026	
1" - 2"	8	90	20 mm	16G630	292026	
2 1/2" - 3"	8	90	20 mm	16G650	292036	
2 1/2" - 3 1/2"	9.5	90	20 mm	162650	293047	
4"	9.5	90	20 mm	162660	293047	

Beveling	Angle	Width	Alloy	DH		
3/4"	-	30	20 mm	16H707	292026	
3/8"	-	37.5	20 mm	16H807	292026	
1" - 2"	-	30	20 mm	16H730	292026	
1" - 2"	-	37.5	20 mm	16H830	292026	
2 1/2" - 3"	-	30	20 mm	16H750	292036	
2 1/2" - 3"	-	37.5	20 mm	16H850	292036	
2 1/2" - 4"	-	30	20 mm	162760	293047	
2 1/2" - 4"	-	37.5	20 mm	162860	293047	
2 1/2" - 4"	-	45	20 mm	162862	293047	

### Die Head Table

Thread Type	DH type	Capacity	Code No.	Plate	Width		
BSPT	Manual	1/4" - 3/8"	290000 *1	N/A	23 mm		
		1/2" - 1/2"	290820 *2	L290	27 mm		
			295633 *3	G891	27 mm		
			295649 **32	2904	27 mm		
			295643 *5	L291	27 mm		
			295652 *6	G892	27 mm		
			290020	L292	27 mm		
			290030	L293	27 mm		
			295660 *4	L181	27 mm		
			292820	G830	27 mm		
			292810	*31	N731	27 mm	
			292814 *40	NR56	27 mm		
			292850 *20	7747	27 mm		
			292020 *21	L189	38 mm		
Uni-Auto	NV-Auto	2 1/2" - 3"	292030 **33	7744	38 mm		
		2 1/2" - 3"	29A901	7744	27 mm SP		
		2 1/2" - 4"	293040 **34	7079	20 mm		
		1/4" - 3/8"	290000 *1	N/A	23 mm		
		1/2" - 1 1/2"	295630	9203	27 mm		
Self-Open	Profiling	1/4" - 2"	295655	N740	27 mm		
		1/2" - 1 1/2"	295633 *3	G891	27 mm		
		1/2" - 2"	295652 *6	G892	27 mm		
		1/2" - 2"	295643 *5	L291	27 mm		
NPT	Manual	2 1/2" - 3"	295660 *4	L181	27 mm		
		1/2" - 2"	292812 **36	N731	27 mm		
		292810 *31	N731	27 mm			
		1/2" - 2"	292816 **41	NR56	27 mm		
		1/2" - 3/4"	292850 *20	7747	27 mm		
		1" - 2"	292020 *21	L189	38 mm		
		2 1/2" - 4"	293050 **37	J102	20 mm		
		1/2" - 2"	295656	L182	27 mm		
		NPSM	Manual	W 3/16 - 3/8	290000 *1	N/A	23 mm
				W 1 - 1/4	290820 *2	L290	27 mm
BSW	Manual		295643 *5	L291	27 mm		
			29562U	G841	27 mm		
			29001B	9204	27 mm		
			29082A	G842	27 mm		
Metric	Manual	M8 - 45	29082A	G842	27 mm		
		M8 - 52	29002A	2903	27 mm		
		M20 - 32P1.5	29003A	L281	27 mm		
			295652 *6	G892	27 mm		
BSPP	Manual	G 2 1/2" - 3"	295660 *4	L181	27 mm		
		G 1/2" - 2"	292810 *31	F731	27 mm		
		PF16 - 42	290823 *10	G843	27 mm		
		PF16 - 54	290023 *11	G848	27 mm		
PF	Manual	PF70 - 82	290033 *12	3330	27 mm		
		PF92 - 104	293041	J605	38 mm		
		C15 - 39	290823 *10	G843	27 mm		
		C15 - 51	290023 *11	G848	27 mm		
Conduit	Manual	C63 - 75	290033 *12	3330	27 mm		
			292026	L187	20 mm		
Grooving/Beveling							