

Compatibility Tables

Compatibility

(Old model)

S40A					(N40A)
FP50A					(N50A, P50A, NP50A)
NP80A					(N80A, S80A)
N100A					

Colour shows compatibility
with various machines.

40A-100A (Except R50A / FR50A)

Dies Table

ISO 7-1 (JIS B 0203) <R> British Standard Pipe thread: Tapered

BSPT	Tpi	Angle	Width	Alloy	HSS	"SUS"	Die Head
1/4" - 3/8"	19	55	23 mm	160003	166003	-	290000
1/2" - 3/4"	14	55	27 mm	161907 *1	166007	166351 *5	290820 295633
							292820 292850
							295643 295649
							295652
1" - 1 1/2"	11	55	27 mm	161910	166010	166352 *5	292810 292814
							290820 295633
							292820 29A870
1 1/2" - 2"	11	55	27 mm	161930	166030	166353 *5	295643 290020
							295649 295652
1" - 2"	11	55	27 mm	16K030 *1	16K230	166357 *5	292810 292814
1" - 2"	11	55	38 mm	16B430	16E030	-	292020
2 1/2" - 3"	11	55	27 mm	161950 *2	166050	166354 *5	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



Dies

*1: Standard Equipment with FP50A series, 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: Available Only in Selected Countries

40A-100A (Except R50A / FR50A)

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

NPT	Tpi	Angle	Width	Alloy	HSS	Die Head	
1/4" - 3/8"	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 *6	166307	295630	295633
						292850	
						295655	295652
						295643	292812
1" - 1 1/2"	11.5	60	27 mm	161310	166310	292810	292816
						295630	295633
						29A870	295643
1 1/2" - 2"	11.5	60	27 mm	161330	166330	295643	
1" - 2"	11.5	60	27 mm	16K330 *6	16K430	295655	295652
						292810	
						292812	292814
1" - 2"	11.5	60	38 mm	16B030	16E330	292020	
2 1/2" - 3"	8	60	27 mm	161350 *7	166350	295660	
2 1/2" - 4"	8	60	20 mm	162360 *8	16C360	293050	



Dies

*6: Standard Equipment with FP50A series, NP50A series, NP80A series, N100A NPT version

*7: Standard Equipment with NP80A, NP80AV NPT version

*8: Standard Equipment with N100A NPT version

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(Old model)

S40A					(N40A)
FP50A					(N50A, P50A, NP50A)
NP80A					(N80A, S80A)
N100A					

Colour shows compatibility with various machines.

40A-100A (Except R50A / NR50A / FR50A)

ISO 228-1 (JIS B 0202) <G> British Standard Pipe thread: Parallel

JIS C 8305 appendix <CTG>, former JIS B 0204

Conduit, thick steel pipe thread (parallel) for electrical wiring

BSPP	Tpi	Angle	Width	Alloy	Die Head	
G½ - ¾	14	55	27 mm	162083	295652	292810
G1 - 2	11	55	27 mm	16K040	295652	292810
G2½ - 3	11	55	27 mm	162084	295660	

BSPP (Alloy)

27mm



PF	Tpi	Angle	Width	Alloy	Die Head	
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	290823*	290023
PF70 - 82	11	55	27 mm	161150	290033	
PF92 - 104	11	55	38 mm	163160	293041 (discontinued)	

*DH 290823 can set PF42 only.

PF (Alloy)

27mm



38mm



JIS C 8305 appendix <CTC>, former JIS B 0204

Conduit, thin steel pipe thread (parallel) for electrical wiring

Conduit	Tpi	Angle	Width	Alloy	Die Head	
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	

Conduit (Alloy)

27mm



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

NPSM	Tpi	Angle	Width	Alloy	Die Head	
¼" - ¾"	18	60	23 mm	161360	(290000)	
½" - ¾"	14	60	27 mm	161362	295656	
1" - 1¼"	11.5	60	27 mm	161364	295656	
1½" - 2"	11.5	60	27 mm	161366	295656	
2½" - 4"	8	60	20 mm	162360	293050**	

**Optional profiling board J109 is required.

NPSM (Alloy)

27mm



40A-100A (Except R50A / NR50A / FR50A)

ISO 68-1/261 (JIS B 0205) <M> Metric thread for bolt: parallel

Metric	Pitch	Angle	Width	Alloy	HSS	Die Head
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	Die Head
W $\frac{5}{16}$ "	18	55	23 mm	160502	160521	290000
W $\frac{3}{8}$ "	16	55	23 mm	160503	160522	290000
W $\frac{1}{2}$ "	14	55	23 mm	160504	160530	290000
W $\frac{5}{8}$ "	12	55	23 mm	160505	160523	290000
W $\frac{3}{4}$ "	11	55	23 mm	160506	160524	290000
W $\frac{7}{8}$ "	10	55	23 mm	160507	160525	290000
W $\frac{15}{16}$ "	9	55	23 mm	160508	160526	290000
W1"	8	55	27 mm	160509	160527	290820 295643
W1 $\frac{1}{4}$ "	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	Die Head
$\frac{5}{16}$ "	18	60	27 mm	167502	29562U 29001B
$\frac{3}{8}$ "	16	60	27 mm	167503	29562U 29001B
$\frac{1}{2}$ "	14	60	27 mm	167504	29562U 29001B
$\frac{5}{8}$ "	13	60	27 mm	167505	29562U 29001B
$\frac{3}{4}$ "	11	60	27 mm	167506	29562U 29001B
$\frac{7}{8}$ "	10	60	27 mm	167507	29562U 29001B
$\frac{15}{16}$ "	9	60	27 mm	167508	29562U 29001B
1"	8	60	27 mm	167509	29562U 29001B
1 $\frac{1}{8}$ - 1 $\frac{1}{4}$ "	7	60	27 mm	167510	29562U 29001B
1 $\frac{3}{8}$ - 1 $\frac{1}{2}$ "*	6	60	27 mm	167520	29562U 29001B
2"	4.5	60	27 mm	167530	29001B

*No size indication on DH.

Metric/ BSW / UNC
(Alloy / HSS)



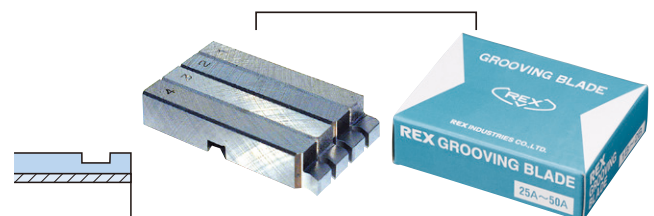
Bevelling (Alloy)



Bevelling	Angle	Width	Alloy	Die Head
$\frac{3}{4}$ "	-	30	16H707	292026
$\frac{3}{4}$ "	-	37.5	16H807	292026
1" - 2"	-	30	16H730	292026
1" - 2"	-	37.5	16H830	292026
2 $\frac{1}{2}$ " - 3"	-	30	16H750	292036
2 $\frac{1}{2}$ " - 3"	-	37.5	16H850	292036
2 $\frac{1}{2}$ " - 4"	-	30	162760	293047
2 $\frac{1}{2}$ " - 4"	-	37.5	162860	293047
2 $\frac{1}{2}$ " - 4"	-	45	162862*	293047

* discontinued

Grooving (Alloy)



Grooving	Gv.W.	Width	Alloy	Die Head
$\frac{3}{4}$ "	8	20 mm	16G607	292026
1" - 2"	8	20 mm	16G630	292026
2 $\frac{1}{2}$ " - 3"	8	20 mm	16G650	292036
2 $\frac{1}{2}$ " - 3 $\frac{1}{2}$ "	9.5	20 mm	162650	293047
4"	9.5	20 mm	162660	293047