

# Drills

## Non Reversible Type

The compact designed drills assure best possible drilling performance.



Taper Type  NRD-6SA  
Thread Type  NRD-6SA(T)



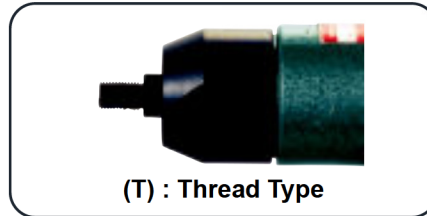
Taper Type  NRD-6PB  
Thread Type  NRD-6PB(T)



Taper Type  NRD-10P  
Thread Type  NRD-10P(T)



Taper Type  NRD-12PA  
Thread Type  NRD-12PA(T)



Recommended air pressure 0.6MPa(6kgf/cm<sup>2</sup>, 85psi)

(T):Thread type

Model	code	Drilling capacity		Jacobs chuck	Free speed min <sup>-1</sup>	Overall length		Mass		Max. output		Air inlet thread Rc or NRT	Hose size		Average air consumption	
		mm	in			mm	in	kg	lb	kw	ps		mm	in	m <sup>3</sup> /min	ft <sup>3</sup> /min
NRD-6SA	10622	6.5	1/4	No.1	2800	166	6 <sup>9</sup> / <sub>16</sub>	0.8	1.8	0.4	0.54	1/4	6.3	1/4	0.5	17.7
NRD-6SA(T)	10204	6.5	1/4	3/8-24UNF	2800	166	6 <sup>9</sup> / <sub>16</sub>	0.8	1.8	0.4	0.54	1/4	6.3	1/4	0.5	17.7
NRD-6PB	10623	6.5	1/4	No.1	2400	150	5 <sup>7</sup> / <sub>8</sub>	0.8	1.8	0.4	0.54	1/4	6.3	1/4	0.5	17.7
NRD-6PB(T)	10205	6.5	1/4	3/8-24UNF	2400	150	5 <sup>7</sup> / <sub>8</sub>	0.8	1.8	0.4	0.54	1/4	6.3	1/4	0.5	17.7
NRD-10P	10214	10	3/8	No.2S	2000	155	6 <sup>1</sup> / <sub>8</sub>	1.1	2.4	0.44	0.6	1/4	9.5	3/8	0.55	19.4
NRD-10P(T)	10626	10	3/8	3/8-24UNF	2000	155	6 <sup>1</sup> / <sub>8</sub>	1.1	2.4	0.44	0.6	1/4	9.5	3/8	0.55	19.4
NRD-12PA	10215	13	1/2	No.6	1500	187	7 <sup>3</sup> / <sub>8</sub>	2.6	5.7	0.71	0.97	1/4	9.5	3/8	0.65	23
NRD-12PA(T)	10216	13	1/2	1/2-20UNF	1500	187	7 <sup>3</sup> / <sub>8</sub>	2.6	5.7	0.71	0.97	1/4	9.5	3/8	0.65	23

Specifications are subject to change without notice.

# Drills

## Reversible Type

These reversible drills are preferred in industry and assembly line.



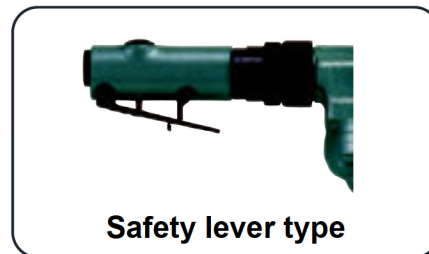
**Grip Type**  
NRD-14R  
NRD-16R  
NRD-19R  
NRD-22R

**Safety Lever Type**  
NRD-14RLW  
NRD-16RLW  
NRD-19RLW  
NRD-22RLW



**Grip Type**  
NRD-23R  
NRD-25R  
NRD-28R  
NRD-32LR

**Safety Lever Type**  
NRD-23RLW  
NRD-25RLW  
NRD-28RLW  
NRD-32LRLW



Safety lever type

Recommended air pressure 0.6MPa(6kgf/cm<sup>2</sup>, 85psi)

(LW):Safety lever type

Model	code	Drilling capacity		Spindle morse taper	Free speed	Overall height		Mass		From center to outside		Feed length		Max. output		Air inlet thread	Hose size		Average air consumption	
		mm	in			No.	min <sup>-1</sup>	mm	in	kg	lb	mm	in	mm	in		kw	ps	Rc or NRT	mm
NRD-14R	10217	14	9/16	1	1100	438	17 <sup>1</sup> / <sub>4</sub>	5.3	11.7	39	1 <sup>9</sup> / <sub>16</sub>	60	2 <sup>3</sup> / <sub>8</sub>	1.11	1.51	3/8	12.7	1/2	1.1	38.8
NRD-14RLW	10603	14	9/16	1	1100	438	17 <sup>1</sup> / <sub>4</sub>	5.3	11.7	39	1 <sup>9</sup> / <sub>16</sub>	60	2 <sup>3</sup> / <sub>8</sub>	1.11	1.51	3/8	12.7	1/2	1.1	38.8
NRD-16R	10218	16	5/8	2	900	452	17 <sup>3</sup> / <sub>4</sub>	5.5	12.1	39	1 <sup>9</sup> / <sub>16</sub>	60	2 <sup>3</sup> / <sub>8</sub>	1.11	1.51	3/8	12.7	1/2	1.1	38.8
NRD-16RLW	10604	16	5/8	2	900	452	17 <sup>3</sup> / <sub>4</sub>	5.5	12.1	39	1 <sup>9</sup> / <sub>16</sub>	60	2 <sup>3</sup> / <sub>8</sub>	1.11	1.51	3/8	12.7	1/2	1.1	38.8
NRD-19R	10219	19	3/4	2	750	452	17 <sup>3</sup> / <sub>4</sub>	5.5	12.1	39	1 <sup>9</sup> / <sub>16</sub>	60	2 <sup>3</sup> / <sub>8</sub>	1.11	1.51	3/8	12.7	1/2	1.1	38.8
NRD-19RLW	10605	19	3/4	2	750	452	17 <sup>3</sup> / <sub>4</sub>	5.5	12.1	39	1 <sup>9</sup> / <sub>16</sub>	60	2 <sup>3</sup> / <sub>8</sub>	1.11	1.51	3/8	12.7	1/2	1.1	38.8
NRD-22R	10220	22	7/8	2	600	452	17 <sup>3</sup> / <sub>4</sub>	5.5	12.1	39	1 <sup>9</sup> / <sub>16</sub>	60	2 <sup>3</sup> / <sub>8</sub>	1.11	1.51	3/8	12.7	1/2	1.1	38.8
NRD-22RLW	10606	22	7/8	2	600	452	17 <sup>3</sup> / <sub>4</sub>	5.5	12.1	39	1 <sup>9</sup> / <sub>16</sub>	60	2 <sup>3</sup> / <sub>8</sub>	1.11	1.51	3/8	12.7	1/2	1.1	38.8
NRD-23R	10221	23	7/8	2	500	353	13 <sup>7</sup> / <sub>8</sub>	10.5	23.1	41	1 <sup>5</sup> / <sub>8</sub>	100	4	1.84	2.5	1/2	12.7	1/2	1.4	49.4
NRD-23RLW	10607	23	7/8	2	700	353	13 <sup>7</sup> / <sub>8</sub>	10.5	23.1	41	1 <sup>5</sup> / <sub>8</sub>	100	4	1.84	2.5	1/2	12.7	1/2	1.4	49.4
NRD-25R	10222	25	1	3	400	353	13 <sup>7</sup> / <sub>8</sub>	10.3	22.7	41	1 <sup>5</sup> / <sub>8</sub>	100	4	1.84	2.5	1/2	12.7	1/2	1.4	49.4
NRD-25RLW	10608	25	1	3	570	353	13 <sup>7</sup> / <sub>8</sub>	10.3	22.7	41	1 <sup>5</sup> / <sub>8</sub>	100	4	1.84	2.5	1/2	12.7	1/2	1.4	49.4
NRD-28R	10223	28	1 <sup>1</sup> / <sub>8</sub>	3	350	353	13 <sup>7</sup> / <sub>8</sub>	10.3	22.7	41	1 <sup>5</sup> / <sub>8</sub>	100	4	1.84	2.5	1/2	12.7	1/2	1.4	49.4
NRD-28RLW	10609	28	1 <sup>1</sup> / <sub>8</sub>	3	450	353	13 <sup>7</sup> / <sub>8</sub>	10.3	22.7	41	1 <sup>5</sup> / <sub>8</sub>	100	4	1.84	2.5	1/2	12.7	1/2	1.4	49.4
NRD-32LR	10224	32	1 <sup>1</sup> / <sub>4</sub>	3	270	353	13 <sup>7</sup> / <sub>8</sub>	10.3	22.7	41	1 <sup>5</sup> / <sub>8</sub>	100	4	1.84	2.5	1/2	12.7	1/2	1.4	49.4
NRD-32LRLW	10610	32	1 <sup>1</sup> / <sub>4</sub>	3	380	353	13 <sup>7</sup> / <sub>8</sub>	10.3	22.7	41	1 <sup>5</sup> / <sub>8</sub>	100	4	1.84	2.5	1/2	12.7	1/2	1.4	49.4

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# Tapper

The double button tapper makes tapping work speedy so leaving a fine finish.



NRT-8P



NRT-10H

Recommended air pressure 0.6MPa(6kgf/cm<sup>2</sup>, 85psi)

Model	code	Tapping/ Drilling capacity		Jacobs chuck	Free speed	Overall length		Mass		Spindle offset		Max. output		Air inlet thread	Hose size		Average air consumption	
		mm	in			mm	in	kg	lb	mm	in	kw	ps		Rc or NRT	mm	in	m <sup>3</sup> /min
NRT-8P	10631	8	5/16	No.1	1700	181	7 <sup>1</sup> / <sub>8</sub>	1.2	2.6	23	7/8	0.37	0.51	1/4	9.5	3/8	0.55	19.4
NRT-10H	15322	10	5/16	2S	350	257	10 <sup>1</sup> / <sub>8</sub>	2.0	4.4	160	6 <sup>5</sup> / <sub>16</sub>	0.42	0.57	1/4	9.5	3/8	0.6	21.2

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