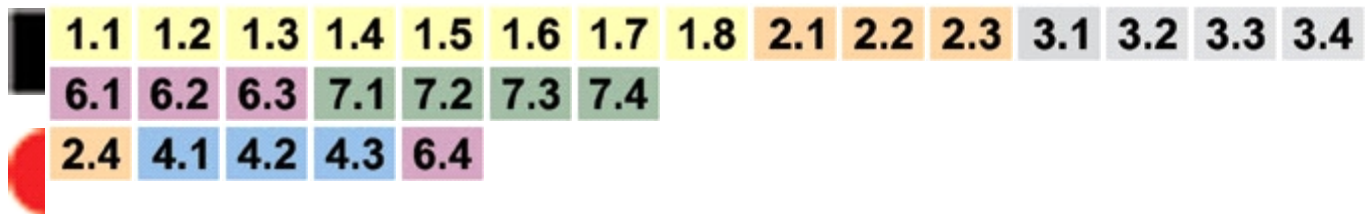
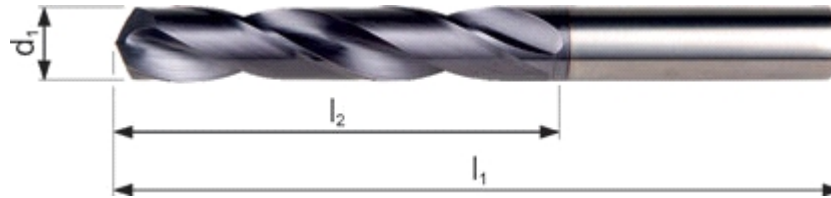


R454

Force-X Long Drill



d ₁ R Inch	d ₁ R _{m7} mm	d ₁ decimal Inch	l ₂ mm	l ₁ mm	l ₃ mm	d ₂ R _{h6} mm	e-code	USD
	3.00	0.1181	28	66	36	6	R4543.0	62.40
	3.10	0.1220	28	66	36	6	R4543.1	62.40
1/8	3.18	0.1250	28	66	36	6	R4541/8	62.40
	3.20	0.1260	28	66	36	6	R4543.2	62.40
30	3.26	0.1283	28	66	36	6	R454N30	62.40
	3.30	0.1299	28	66	36	6	R4543.3	62.40
	3.40	0.1339	28	66	36	6	R4543.4	62.40
29	3.45	0.1360	28	66	36	6	R454N29	62.40
	3.50	0.1378	28	66	36	6	R4543.5	62.40
28	3.57	0.1406	28	66	36	6	R454N28	62.40
9/64	3.57	0.1406	28	66	36	6	R4549/64	62.40
	3.60	0.1417	28	66	36	6	R4543.6	62.40
27	3.66	0.1441	28	66	36	6	R454N27	62.40
	3.70	0.1457	28	66	36	6	R4543.7	62.40
26	3.73	0.1469	36	74	36	6	R454N26	62.40
25	3.80	0.1496	36	74	36	6	R454N25	62.40
	3.80	0.1496	36	74	36	6	R4543.8	62.40
24	3.86	0.1520	36	74	36	6	R454N24	62.40
	3.90	0.1535	36	74	36	6	R4543.9	62.40
23	3.91	0.1539	36	74	36	6	R454N23	62.40
5/32	3.97	0.1563	36	74	36	6	R4545/32	62.40
22	3.99	0.1571	36	74	36	6	R454N22	62.40
	4.00	0.1575	36	74	36	6	R4544.0	62.40
21	4.04	0.1591	36	74	36	6	R454N21	68.60
20	4.09	0.1610	36	74	36	6	R454N20	68.60
	4.10	0.1614	36	74	36	6	R4544.1	68.60

d ₁ R Inch	d ₁ Rm ₇ mm	d ₁ decimal Inch	l ₂ mm	l ₁ mm	l ₃ mm	d ₂ Rh ₆ mm	e-code	USD
	4.20	0.1654	36	74	36	6	R4544.2	68.60
19	4.22	0.1661	36	74	36	6	R454N19	68.60
	4.30	0.1693	36	74	36	6	R4544.3	68.60
18	4.31	0.1697	36	74	36	6	R454N18	68.60
11/64	4.37	0.1719	36	74	36	6	R45411/64	68.60
17	4.39	0.1728	36	74	36	6	R454N17	68.60
	4.40	0.1732	36	74	36	6	R4544.4	68.60
	4.50	0.1772	36	74	36	6	R4544.5	68.60
16	4.50	0.1772	36	74	36	6	R454N16	68.60
15	4.57	0.1799	36	74	36	6	R454N15	68.60
	4.60	0.1811	36	74	36	6	R4544.6	68.60
14	4.62	0.1819	36	74	36	6	R454N14	68.60
13	4.70	0.1850	36	74	36	6	R454N13	68.60
	4.70	0.1850	36	74	36	6	R4544.7	68.60
3/16	4.76	0.1875	44	82	36	6	R4543/16	68.60
12	4.80	0.1890	44	82	36	6	R454N12	68.60
	4.80	0.1890	44	82	36	6	R4544.8	68.60
11	4.85	0.1909	44	82	36	6	R454N11	68.60
	4.90	0.1929	44	82	36	6	R4544.9	68.60
10	4.92	0.1937	44	82	36	6	R454N10	68.60
9	4.98	0.1961	44	82	36	6	R454N9	68.60
	5.00	0.1969	44	82	36	6	R4545.0	68.60
8	5.06	0.1992	44	82	36	6	R454N8	68.60
	5.10	0.2008	44	82	36	6	R4545.1	68.60
7	5.11	0.2010	44	82	36	6	R454N7	68.60
13/64	5.16	0.2031	44	82	36	6	R45413/64	68.60
6	5.18	0.2039	44	82	36	6	R454N6	68.60
	5.20	0.2047	44	82	36	6	R4545.2	68.60
5	5.22	0.2055	44	82	36	6	R454N5	68.60
4	5.31	0.2091	44	82	36	6	R454N4	68.60
3	5.41	0.2130	44	82	36	6	R454N3	68.60
	5.50	0.2165	44	82	36	6	R4545.5	68.60
7/32	5.56	0.2188	44	82	36	6	R4547/32	68.60
	5.60	0.2205	44	82	36	6	R4545.6	68.60
2	5.61	0.2209	44	82	36	6	R454N2	68.60
	5.70	0.2244	44	82	36	6	R4545.7	68.60
1	5.79	0.2280	44	82	36	6	R454N1	68.60
	5.80	0.2283	44	82	36	6	R4545.8	68.60
A	5.94	0.2339	44	82	36	6	R454A	68.60
15/64	5.95	0.2344	44	82	36	6	R45415/64	68.60
	6.00	0.2362	44	82	36	6	R4546.0	68.60
B	6.05	0.2380	53	91	36	8	R454B	80.70
	6.10	0.2402	53	91	36	8	R4546.1	80.70
C	6.15	0.2421	53	91	36	8	R454C	80.70
	6.20	0.2441	53	91	36	8	R4546.2	80.70
D	6.25	0.2461	53	91	36	8	R454D	80.70

d ₁ R Inch	d ₁ R _{m7} mm	d ₁ decimal Inch	l ₂ mm	l ₁ mm	l ₃ mm	d ₂ R _{h6} mm	e-code	USD
	6.30	0.2480	53	91	36	8	R4546.3	80.70
1/4	6.35	0.2500	53	91	36	8	R4541/4	80.70
E	6.35	0.2500	53	91	36	8	R454E	80.70
	6.40	0.2520	53	91	36	8	R4546.4	80.70
	6.50	0.2559	53	91	36	8	R4546.5	80.70
F	6.53	0.2571	53	91	36	8	R454F	80.70
	6.60	0.2598	53	91	36	8	R4546.6	80.70
G	6.63	0.2610	53	91	36	8	R454G	80.70
	6.70	0.2638	53	91	36	8	R4546.7	80.70
17/64	6.75	0.2656	53	91	36	8	R45417/64	80.70
H	6.76	0.2661	53	91	36	8	R454H	80.70
	6.80	0.2677	53	91	36	8	R4546.8	80.70
	6.90	0.2717	53	91	36	8	R4546.9	80.70
I	6.91	0.2720	53	91	36	8	R454I	80.70
	7.00	0.2756	53	91	36	8	R4547.0	80.70
J	7.04	0.2772	53	91	36	8	R454J	80.70
	7.10	0.2795	53	91	36	8	R4547.1	80.70
K	7.14	0.2811	53	91	36	8	R454K	80.70
9/32	7.14	0.2813	53	91	36	8	R4549/32	80.70
	7.30	0.2874	53	91	36	8	R4547.3	80.70
L	7.37	0.2902	53	91	36	8	R454L	80.70
	7.40	0.2913	53	91	36	8	R4547.4	80.70
M	7.49	0.2949	53	91	36	8	R454M	80.70
	7.50	0.2953	53	91	36	8	R4547.5	80.70
19/64	7.54	0.2969	53	91	36	8	R45419/64	80.70
	7.60	0.2992	53	91	36	8	R4547.6	80.70
N	7.67	0.3020	53	91	36	8	R454N	80.70
	7.70	0.3031	53	91	36	8	R4547.7	80.70
	7.80	0.3071	53	91	36	8	R4547.8	80.70
	7.90	0.3110	53	91	36	8	R4547.9	80.70
5/16	7.94	0.3125	53	91	36	8	R4545/16	80.70
	8.00	0.3150	53	91	36	8	R4548.0	80.70
O	8.03	0.3161	61	103	40	10	R454O	97.20
	8.10	0.3189	61	103	40	10	R4548.1	97.20
	8.20	0.3228	61	103	40	10	R4548.2	97.20
P	8.20	0.3228	61	103	40	10	R454P	97.20
21/64	8.33	0.3281	61	103	40	10	R45421/64	97.20
	8.40	0.3307	61	103	40	10	R4548.4	97.20
Q	8.43	0.3319	61	103	40	10	R454Q	97.20
	8.50	0.3346	61	103	40	10	R4548.5	97.20
	8.60	0.3386	61	103	40	10	R4548.6	97.20
R	8.61	0.3390	61	103	40	10	R454R	97.20
	8.70	0.3425	61	103	40	10	R4548.7	97.20
11/32	8.73	0.3438	61	103	40	10	R45411/32	97.20
	8.80	0.3465	61	103	40	10	R4548.8	97.20
S	8.84	0.3480	61	103	40	10	R454S	97.20

d ₁ R Inch	d ₁ R _{m7} mm	d ₁ decimal Inch	l ₂ mm	l ₁ mm	l ₃ mm	d ₂ R _{h6} mm	e-code	USD
	8.90	0.3504	61	103	40	10	R4548.9	97.20
	9.00	0.3543	61	103	40	10	R4549.0	97.20
T	9.09	0.3579	61	103	40	10	R454T	97.20
	9.10	0.3583	61	103	40	10	R4549.1	97.20
23/64	9.13	0.3594	61	103	40	10	R45423/64	97.20
	9.30	0.3661	61	103	40	10	R4549.3	97.20
U	9.35	0.3681	61	103	40	10	R454U	97.20
	9.40	0.3701	61	103	40	10	R4549.4	97.20
	9.50	0.3740	61	103	40	10	R4549.5	97.20
3/8	9.53	0.3750	61	103	40	10	R4543/8	97.20
V	9.58	0.3772	61	103	40	10	R454V	97.20
	9.60	0.3780	61	103	40	10	R4549.6	97.20
	9.70	0.3819	61	103	40	10	R4549.7	97.20
	9.80	0.3858	61	103	40	10	R4549.8	97.20
	9.90	0.3898	61	103	40	10	R4549.9	97.20
W	9.80	0.3858	61	103	40	10	R454W	97.20
25/64	9.92	0.3906	61	103	40	10	R45425/64	97.20
	10.00	0.3937	61	103	40	10	R45410.0	97.20
X	10.08	0.3969	70	118	45	12	R454X	133.00
	10.10	0.3976	70	118	45	12	R45410.1	133.00
	10.20	0.4016	70	118	45	12	R45410.2	133.00
Y	10.26	0.4039	70	118	45	12	R454Y	133.00
	10.30	0.4055	70	118	45	12	R45410.3	133.00
13/32	10.32	0.4063	70	118	45	12	R45413/32	133.00
	10.40	0.4094	70	118	45	12	R45410.4	133.00
Z	10.49	0.4130	70	118	45	12	R454Z	133.00
	10.50	0.4134	70	118	45	12	R45410.5	133.00
	10.60	0.4173	70	118	45	12	R45410.6	133.00
27/64	10.72	0.4219	70	118	45	12	R45427/64	133.00
	11.00	0.4331	70	118	45	12	R45411.0	133.00
7/16	11.11	0.4375	70	118	45	12	R4547/16	133.00
	11.20	0.4409	70	118	45	12	R45411.2	133.00
	11.40	0.4488	70	118	45	12	R45411.4	133.00
	11.50	0.4528	70	118	45	12	R45411.5	133.00
29/64	11.51	0.4531	70	118	45	12	R45429/64	133.00
	11.60	0.4567	70	118	45	12	R45411.6	133.00
	11.80	0.4646	70	118	45	12	R45411.8	133.00
15/32	11.91	0.4688	70	118	45	12	R45415/32	133.00
	12.00	0.4724	70	118	45	12	R45412.0	133.00
	12.10	0.4764	76	124	45	14	R45412.1	170.00
	12.20	0.4803	76	124	45	14	R45412.2	170.00
31/64	12.30	0.4844	76	124	45	14	R45431/64	170.00
	12.50	0.4921	76	124	45	14	R45412.5	170.00
	12.70	0.5000	76	124	45	14	R45412.7	170.00
1/2	12.70	0.5000	76	124	45	14	R4541/2	170.00
	12.80	0.5039	76	124	45	14	R45412.8	170.00

d ₁ R Inch	d ₁ R _{m7} mm	d ₁ decimal Inch	l ₂ mm	l ₁ mm	l ₃ mm	d ₂ R _{h6} mm	e-code	USD
	13.00	0.5118	76	124	45	14	R45413.0	170.00
33/64	13.10	0.5156	76	124	45	14	R45433/64	170.00
17/32	13.49	0.5313	76	124	45	14	R45417/32	170.00
	13.50	0.5315	76	124	45	14	R45413.5	170.00
	13.80	0.5433	76	124	45	14	R45413.8	170.00
35/64	13.89	0.5469	76	124	45	14	R45435/64	170.00
	14.00	0.5512	76	124	45	14	R45414.0	170.00
	14.25	0.5610	82	133	48	16	R45414.25	244.00
9/16	14.29	0.5625	82	133	48	16	R4549/16	244.00
	14.50	0.5709	82	133	48	16	R45414.5	244.00
37/64	14.68	0.5781	82	133	48	16	R45437/64	244.00
	14.80	0.5827	82	133	48	16	R45414.8	244.00
	15.00	0.5906	82	133	48	16	R45415.0	244.00
19/32	15.08	0.5938	82	133	48	16	R45419/32	244.00
	15.10	0.5945	82	133	48	16	R45415.1	244.00
39/64	15.48	0.6094	82	133	48	16	R45439/64	244.00
	15.50	0.6102	82	133	48	16	R45415.5	244.00
	15.80	0.6220	82	133	48	16	R45415.8	244.00
5/8	15.88	0.6250	82	133	48	16	R4545/8	244.00
	16.00	0.6299	82	133	48	16	R45416.0	244.00
41/64	16.27	0.6406	91	143	48	18	R45441/64	323.00
	16.50	0.6496	91	143	48	18	R45416.5	323.00
21/32	16.67	0.6563	91	143	48	18	R45421/32	323.00
	17.00	0.6693	91	143	48	18	R45417.0	323.00
43/64	17.07	0.6720	91	143	48	18	R45443/64	323.00
11/16	17.46	0.6874	91	143	48	18	R45411/16	323.00
	17.50	0.6890	91	143	48	18	R45417.5	323.00
	17.80	0.7008	91	143	48	18	R45417.8	323.00
45/64	17.86	0.7031	91	143	48	18	R45445/64	323.00
	18.00	0.7087	91	143	48	18	R45418.0	323.00
23/32	18.26	0.7189	99	153	50	20	R45423/32	398.00
	18.50	0.7283	99	153	50	20	R45418.5	398.00
47/64	18.65	0.7343	99	153	50	20	R45447/64	398.00
	19.00	0.7480	99	153	50	20	R45419.0	398.00
3/4	19.05	0.7500	99	153	50	20	R4543/4	398.00
	19.50	0.7677	99	153	50	20	R45419.5	398.00
	19.80	0.7795	99	153	50	20	R45419.8	398.00
	20.00	0.7874	99	153	50	20	R45420.0	398.00