

Charge type	Explosive weight, g	Concrete penetration depth as per API RP 19B (mm)	Hole diameter as per API RP 19B (mm)	Concrete penetration depth as per TU, at least (mm)	Hole diameter as per TU, at least (mm)
SHAPED CHARGES WITH THERMAL RESISTANCE UP TO 150 °C					
<u>Shaped charges for single-use hollow carrier perforation systems PKO</u>					
ZPK38-AT-M-03	3,5			270	5,5
ZPK50-AT-M-03	5,5	608	5,56	610	5,5
ZPK50-AT-M-10	6,5	154	12,27	155	12
ZPK63-AT-M-03	11,5	636	7,97	630	8
ZPK63-AT-M-04	11,5	753	7,69	750	8
ZPK63-AT-M-10	14	249	19,93	250	19
ZPK73-AT-M-01	18			650	12
ZPK73-AT-M-02	19	319	20,83	320	21
ZPK73-AT-M-04	18	785	9,43	780	10
ZPK73-AT-M-07	17,7			350	15,5
ZPK89-AT-M-01	31,7			650	14,5
ZPK89-AT-M-03	27,7	1025	11,07	1000	11
ZPK89-AT-M-04	27,5	1284	9,79	1300	10
ZPK89-AT-M-07	29,7			360	18
ZPK89-AT-M-09	27,2	356	18,69	360	19
ZPK89-AT-M-10	22,5	262	23,42	260	23,5
ZPK89-AT-M-11	27,7	151	23,5	150	25
ZPK102-AT-M-03	28	1245	12,28	1250	12
ZPK102-AT-M-04	28	1400	9,7	1400	10
ZPK102-AT-M-07	28			360	18
ZPK102-AT-M-09	27,2	366	18,93	370	19
ZPK102-AT-M-10	27,5	175	22,35	200	23
ZPK114-AT-M-01	29			1000	12,7
ZPK114-AT-M-03	32,5	1348	12,5	1350	12
ZPK114-AT-M-04	32,7	1620	10,78	1600	11
ZPK114-AT-M-07	28			360	18
ZPK114-AT-M-09	27,2			440	19,7
ZPK114-AT-M-10	27,5	189	23,92	200	24
ZPK114-AT-M-11	27,5			150	24,5
SKIF-C-63-01	11,5			425	7
SKIF-M-63-01	15			220	14,5
SKIF-C-73-01	19			550	10
SKIF-M-73-01	20			300	16
SKIF-C-U-01	27,5			800	11
SKIF-M-U-01	27			320	18

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Shaped charges for single-use hollow carrier perforation systems SKIF					
SKIF-AT-27-DP	28,7			1050	11,5
SKIF-AT-27-SDP	31,5			1350	11,2
SKIF-AT-27-GH	22,7			420	18
SKIF-AT-27-BH	28,7			270	24
SKIF-AT-34-DP	30,7			1150	11,5
SKIF-AT-34-SDP	32,7			1450	11,5
SKIF-AT-34-GH	34			450	18
SKIF-AT-34-BH	34			250	24,5
SKIF-AT-36-DP	34,2			1200	11,5
SKIF-AT-36-SDP	34,2			1650	11
SKIF-AT-36-GH	36			450	18,5
SKIF-AT-36-BH	36			285	24
Shaped charges for single-use expendable perforation systems PKO					
ZPK43-AT (Link)	9,7	510	6,31	500	5,5
ZPK54-AT (Link)	12,7	761	8,55	700	6,5
ZPK43-AT (Strip)	9,7	518	6,73	500	5,5
ZPK54-AT (Strip)	12,7	659	8,47	700	6,5
SHAPED CHARGES WITH THERMAL RESISTANCE UP TO 204 °C					
ZPK38-AT-M-03 T	3,5	257	5,62	270	5,5
ZPK50-AT-M-03 T	5,5	645	6,12	640	6
ZPK50-AT-M-10 T	6,5			155	12
ZPK73-AT-M-02 T	18,2	279	20,68	280	21
ZPK73-AT-M-04 T	18	896	11,24	850	11
ZPK73-AT-M-07 T	17,7			360	16,5
ZPK89-AT-M-01 T	32,5	638	13,77	650	15
ZPK89-AT-M-03 T	29			1050	11
ZPK89-AT-M-04 T	28	1226	10,12	1300	10
ZPK89-AT-M-07 T	29,7			370	18,5
ZPK89-AT-M-10 T	22,5	197	20,24	270	24
ZPK102-AT-M-03 T	28			1300	12,3
ZPK102-AT-M-04 T	28	1712	11,15	1450	10
ZPK102-AT-M-07 T	27,5			370	18,5
ZPK102-AT-M-09 T	27,2			370	19

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ZPK102-AT-M-10 T	27,5			220	25
ZPK114-AT-M-01 T	29			1000	12,7
ZPK114-AT-M-03 T	32,5			1350	12
ZPK114-AT-M-04 T	35,5	1813	11,6	1600	11
ZPK114-AT-M-07 T	27,5			370	18,5
ZPK114-AT-M-09 T	27,5			450	23
ZPK114-AT-M-10 T	28,5	246	24,33	250	25
ZPK114-AT-M-11 T	27,5			150	24,5
SKIF-AT-27-DP T	28,7			1050	11,5
SKIF-AT-27-SDP T	31,5	1511	11,2	1350	11,2
SKIF-AT-27-GH T	22,7			420	18
SKIF-AT-27-BH T	28,7			270	24
SKIF-AT-34-DP T	30,7			1150	11,5
SKIF-AT-34-SDP T	32,7			1450	11,5
SKIF-AT-34-GH T	34			450	18
SKIF-AT-34-BH T	34			250	24,5
SKIF-AT-36-DP T	34,2			1200	11,5
SKIF-AT-36-SDP T	34,2	1879	11,67	1650	11
SKIF-AT-36-GH T	36			450	18,5
SKIF-AT-36-BH T	36	280	24,5	285	24

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