

Cod. 10670

Industry  
Industria



# Royal 44°

**Slow reverse double arm gun for medium flow with high trajectory angle**

*Cañón de riego de impacto con ángulo alto de trayectoria y de medio caudal*



High trajectory angle for industrial applications (quarries, mines, dust suppression)

*Ángulo alto de trayectoria para aplicaciones industriales (cuevas, minas, control de polvo)*

Net weight  
Peso neto

**7,8 kg**

Connection  
Conexión

**2" F**

Size  
Dimensiones

**ø 992 mm x 663 mm**

Nozzle  
Boquilla

**Ø 12 ÷ 26 mm**

Angle  
Ángulo

**44°**

Pressure *Presión*

for **US units** go to page 32

Nozzle Boquilla	3 bar		4 bar		5 bar		6 bar		7 bar	
	Flow Caudal l/min	Radius Alcance m	Flow Caudal l/min	Radius Alcance m	Flow Caudal l/min	Radius Alcance m	Flow Caudal l/min	Radius Alcance m	Flow Caudal l/min	Radius Alcance m
<b>12 mm</b>	160,3	25,0	185,1	28,5	207,0	30,5	226,7	33,5	-	-
<b>14 mm</b>	218,2	27,0	252,0	30,0	281,7	33,0	308,6	35,0	333,3	37,5
<b>16 mm</b>	285,0	30,0	329,1	32,5	367,9	35,0	403,1	38,0	435,4	39,5
<b>18 mm</b>	-	-	416,5	34,0	465,7	38,0	510,1	40,5	551,0	42,5
<b>20 mm</b>	-	-	514,2	36,0	574,9	40,0	629,8	42,0	680,3	43,0
<b>22 mm</b>	-	-	622,2	38,5	695,7	40,5	762,1	43,5	823,1	45,5
<b>24 mm</b>	-	-	740,5	39,5	827,9	43,0	906,9	46,0	979,6	49,0

**US units**



**Master Lancer**

Pressure *Presion*

Nozzle <i>Boquilla</i>	70 PSI		85 PSI		100 PSI		115 PSI		128 PSI		140 PSI	
	Flow <i>Caudal</i> gpm	Radius <i>Alcance</i> feet	Flow <i>Caudal</i> gpm	Radius <i>Alcance</i> feet	Flow <i>Caudal</i> gpm	Radius <i>Alcance</i> feet	Flow <i>Caudal</i> gpm	Radius <i>Alcance</i> feet	Flow <i>Caudal</i> gpm	Radius <i>Alcance</i> feet	Flow <i>Caudal</i> gpm	Radius <i>Alcance</i> feet
<b>1.18 in</b>	332	190	364	202	392	217	-	-	-	-	-	-
<b>1.26 in</b>	378	196	414	210	447	223	-	-	-	-	-	-
<b>1.34 in</b>	427	200	468	217	505	229	538	242	-	-	-	-
<b>1.42 in</b>	477	213	523	223	564	234	603	252	-	-	-	-
<b>1.50 in</b>	532	220	583	228	628	242	673	257	-	-	-	-
<b>1.57 in</b>	-	-	648	232	699	249	748	262	794	269	-	-
<b>1.65 in</b>	-	-	715	234	771	254	825	265	875	282	-	-
<b>1.74 in</b>	-	-	784	242	846	262	905	278	960	295	-	-
<b>1.81 in</b>	-	-	858	246	925	265	990	288	1062	302	1,108	305
<b>1.89 in</b>	-	-	934	249	1,007	274	1,078	291	1,157	305	1,206	311



**Wing**

Pressure *Presion*

Nozzle <i>Boquilla</i>	29 PSI		44 PSI		56 PSI		70 PSI		85 PSI		100 PSI	
	Flow <i>Caudal</i> gpm	Radius <i>Alcance</i> feet	Flow <i>Caudal</i> gpm	Radius <i>Alcance</i> feet	Flow <i>Caudal</i> gpm	Radius <i>Alcance</i> feet	Flow <i>Caudal</i> gpm	Radius <i>Alcance</i> feet	Flow <i>Caudal</i> gpm	Radius <i>Alcance</i> feet	Flow <i>Caudal</i> gpm	Radius <i>Alcance</i> feet
<b>0.47 in</b>	33.5	72	40.9	83.6	47.3	95	53.3	105	-	-	-	-
<b>0.55 in</b>	45.9	78.7	56	95	64.7	105	72.4	116	-	-	-	-
<b>0.63 in</b>	59.7	82	72.9	100	84.5	113	94.0	123	-	-	-	-
<b>0.71 in</b>	75.5	87	92.4	105	106.7	119.7	119.4	131	-	-	-	-
<b>0.78 in</b>	-	-	114.1	108	132.3	123	147.9	134.5	161.9	146	-	-
<b>0.86 in</b>	-	-	137.9	111	159.5	129.6	178.6	142.7	195.7	155.8	-	-
<b>0.95 in</b>	-	-	-	-	190.2	132.8	212.1	149	233	162	251.5	170.6



**Royal 44°**

Pressure *Presion*

Nozzle <i>Boquilla</i>	44 PSI		56 PSI		70 PSI		85 PSI		100 PSI	
	Flow <i>Caudal</i> gpm	Radius <i>Alcance</i> feet	Flow <i>Caudal</i> gpm	Radius <i>Alcance</i> feet	Flow <i>Caudal</i> gpm	Radius <i>Alcance</i> feet	Flow <i>Caudal</i> gpm	Radius <i>Alcance</i> feet	Flow <i>Caudal</i> gpm	Radius <i>Alcance</i> feet
<b>0.47 in</b>	42.4	82	48.9	93.5	54.7	100.1	59.9	109.9	-	-
<b>0.55 in</b>	57.6	88.6	66.6	98.4	74.4	108.3	81.5	114.8	88.1	123
<b>0.63 in</b>	75.3	98.4	86.9	106.6	97.2	114.8	106.5	124.7	115	129.6
<b>0.71 in</b>	-	-	110	111.5	123	124.7	134.8	132.9	145.6	139.4
<b>0.78 in</b>	-	-	135.8	118.1	151.9	131.2	166.4	137.8	179.7	141.1
<b>0.86 in</b>	-	-	164.4	126.3	183.8	132.9	201.3	142.7	217.4	149.3
<b>0.95 in</b>	-	-	195.6	129.6	218.7	141.1	239.6	150.9	258.8	160.7