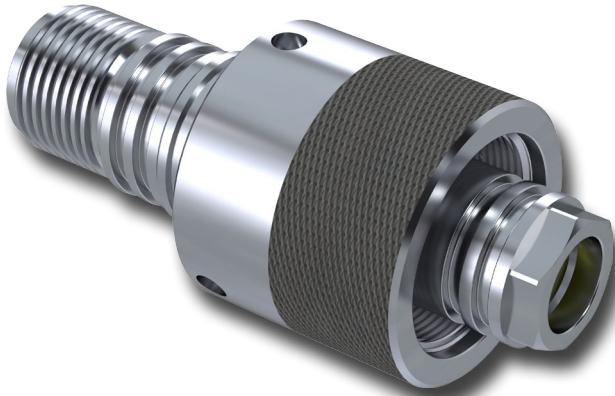


H-1® Style Quick-Change Assembly

Titan Division | Wireline Hardware and Accessories

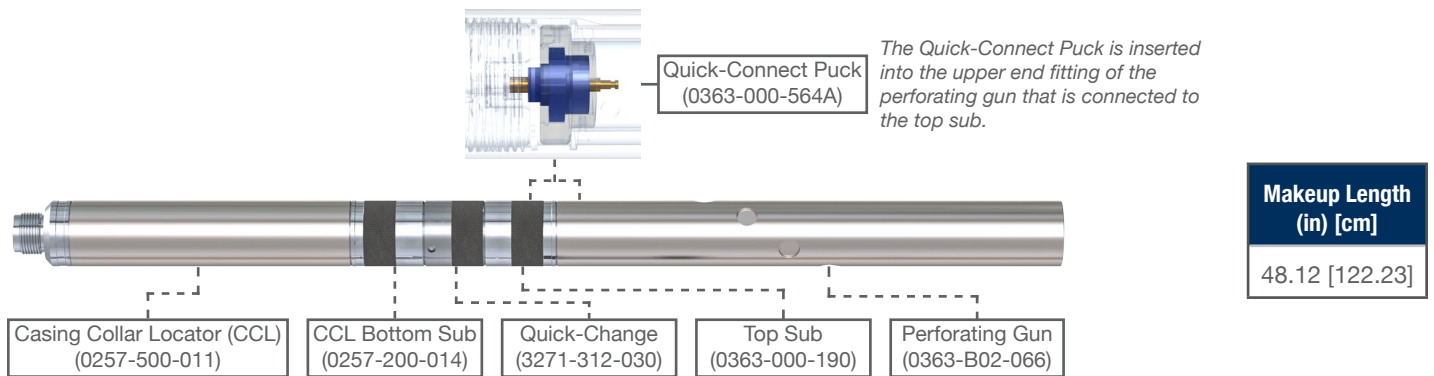


Hunting's new Quick-Change Assembly is compact and innovative in design.

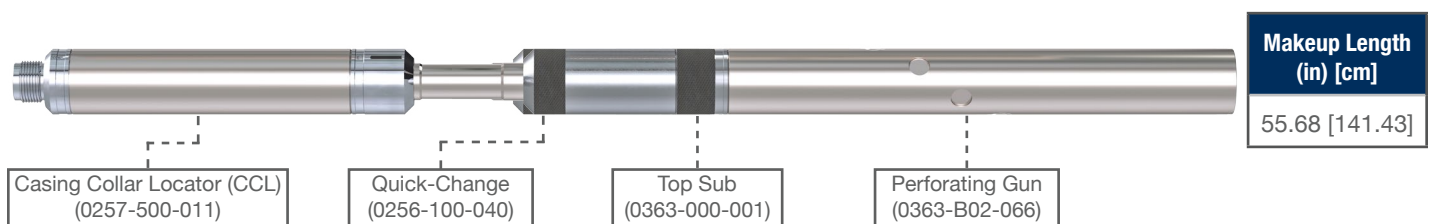
The new H-1 Style Quick-Change Assembly, designed for use with Hunting's H-1 Perforating Gun System or conventional guns, reduces toolstring length by 7.56 inches and eliminates wired connections above the perforating gun.

Compact Design Reduces the Length of a Conventional Toolstring

New Version



Traditional Version



Four Components for Wire-Free Connectivity to a Conventional Gun String



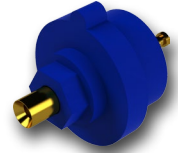
CCL Bottom Sub



Quick-Change Assembly



Top Sub Assembly



Quick-Connect Puck

Part Numbers

Component	Perforating Gun Diameter (in)[mm]					
	2-3/4 [70]	2-7/8 [73]	3-1/8 [79]	3-3/8 [86]	4 [102]	4-1/2 [114]
CCL Bottom Sub	0268-000-014		0257-200-014			
Quick-Change Assembly	3271-275-030		3271-312-030			
Contact Kit; Quick-Change	3271-275-032					
Top Sub Assembly	0362-000-190		0363-000-190	0365-000-190	0400-000-190	0445-000-190
Contact Kit; Top Sub	HTS-TOP-022					
Quick-Connect Puck	0363-000-564A					

Notes: The **CCL Bottom Sub** is a replacement for bottom subs on current CCL assemblies.
The **Top Sub Assembly** replaces conventional top subs.

Specifications

Assembly Part Number	Description	O.D. (in) [mm]	Makeup Length (in) [cm]	Weight (lb) [kg]	Max. Temp.* (°F) [°C]	Max. Pressure (psi) [MPa]	Max. Tension (lbf) [kN]
3271-275-030	2-3/4" H-1 Style Quick-Change Assy.	2.75 [70]	2.84 [7.21]	5.85 [2.65]	400 [204]	20,000 [138]	172,000 [765]
3271-312-030	3-1/8" H-1 Style Quick-Change Assy.	3.125 [79]	2.84 [7.21]	7.22 [3.28]	400 [204]	20,000 [138]	172,000 [765]
0362-000-190	2-3/4" Top Sub Assy.	2.75 [70]	3.06 [7.77]	8.48 [3.85]	400 [204]	20,000 [138]	178,000 [792]
0363-000-190	3-1/8" Top Sub Assy.	3.125 [79]	3.44 [8.74]	11.62 [5.27]	400 [204]	20,000 [138]	178,000 [792]
0365-000-190	3-3/8" Top Sub Assy.	3.375 [86]	3.44 [8.74]	13.03 [5.91]	400 [204]	20,000 [138]	178,000 [792]
0400-000-190	4" Top Sub Assy.	4 [120]	3.06 [7.77]	18.50 [8.39]	400 [204]	20,000 [138]	178,000 [792]
0445-000-190	4-1/2" Top Sub Assy.	4.50 [114]	2.81 [7.14]	23.50 [10.66]	400 [204]	20,000 [138]	178,000 [792]

* Viton O-rings recommended for jobs with temperatures exceeding 325°F (163°C)

**For more information contact your Titan Division sales representative today!
Or visit us at: www.hunting-intl.com/titan**

Contact Information

Sales
sales.titan@hunting-intl.com

Support
support.titan@hunting-intl.com

Perforating
Pampa, TX USA (806) 665-3781
Milford, TX USA (972) 493-1200
Calgary, AB CAN (403) 543-4477

Instruments
Pampa, TX USA (806) 665-3781
Wichita Falls, TX USA (940) 691-1005
Houston, TX USA (713) 463-5881

Energetics
Milford, TX USA (972) 493-2580

Distribution
Hunting's distribution centers are strategically placed globally.
For more information, visit us at: www.hunting-intl.com/titan