

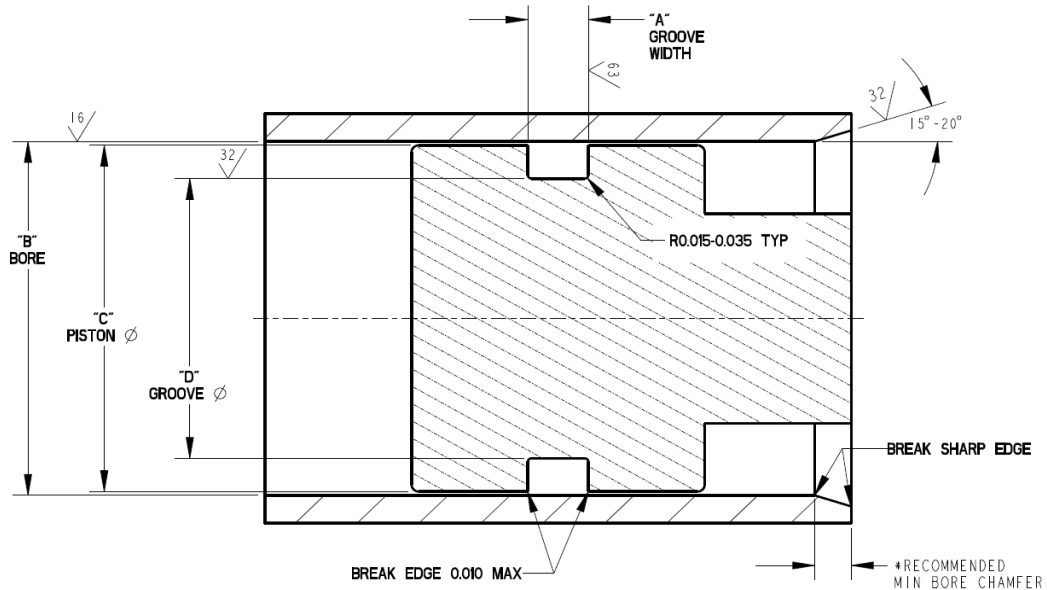
HYDRA CAP-T INDUSTRIAL STANDARD "CT"

PART NUMBERING SYSTEM

CT -	6	05 000 -	CB	AN	AD
	 CAP-T C/S	 Bore Size	 Cap Material	 Expander Material	 Backup Material
	3 = 3/16" 4 = 1/4" 6 = 3/8" 8 = 1/2"	 Whole Inches Fraction of Inch	CB = Glass Filled PTFE RB = Med. Bronze PTFE TB = High Bronze PTFE	AN = Standard Service BN = Low Temp Service	AD = MoS ₂ Polyamide



GLAND DIMENSIONS



"B" Bore Ø	ØB Tolerance Range	"D" Groove Ø	ØD Tolerance Range	CAP-T C/S Series	"A" Groove Width +0.010" -0.000"	E1** E2**		*Recommended Min Bore Chamfer
						Maximum Diametral Clearance		
						Without Wear Rings	With Wear Rings	
1.000-2.875	+0.002/-0.000	ØB - 0.374	+0.000/-0.002	3	0.424	0.006	0.025	0.156
3.000-4.875	+0.003/-0.000	ØB - 0.480	+0.000/-0.003	4	0.579	0.008	0.030	0.187
5.000-16.000	+0.004/-0.000	ØB - 0.730	+0.000/-0.004	6	0.750	0.010	0.035	0.250
16.125-22.000	+0.005/-0.000	ØB - 0.940	+0.000/-0.005	8	0.750	0.010	0.035	0.295

The HPS CAP-T can be used up to 6,000 PSI* when used with E1 gap dimensions. The HPS CAP-T can be used up to 4,500 PSI when used with E2 gap dimensions.

***Pressure ratings are for general seal selection guidance. Customers should test for their specific application.

Note:
Not all sizes listed are tooled.
Please contact HPS for availability and custom sizes.



HYDRA CAP-T MATERIAL SELECTOR

Service	Temp. Range*	Component Materials		
		Seal Ring "Cap"	Expander	Backup
Gen. purpose hydraulic oils, Petroleum based lube oils, Water-Glycol, ATF, and soluble oils	-40/+250°F -65/+265°F	CB = Glass Filled PTFE RB = Med. Bronze PTFE TB = High Bronze PTFE	AN = 70A "NBR" Nitrile BN = 70A "NBR" Low Temp. Nitrile	AD = MoS₂ Polyamide
MIL-H-5606 Fluid MIL-H-6083 Fluid MIL-H-46170 Fluid	-40/+250°F -65/+265°F	CB = Glass Filled PTFE RB = Med. Bronze PTFE	AN = 70A "NBR" Nitrile BN = 70A "NBR" Low Temp. Nitrile	AD = MoS₂ Polyamide
Gasoline Kerosene	-40/+250°F -65/+160°F	CB = Glass Filled PTFE RB = Med. Bronze PTFE	AN = 70A "NBR" Nitrile BN = 70A "NBR" Low Temp. Nitrile	AD = MoS₂ Polyamide
Phosphate Ester Emulsions	-65/+250°F	CB = Glass Filled PTFE RB = Med. Bronze PTFE	EP = 70A EPDM Ethylene/Propylene	AD = MoS₂ Polyamide
Brake Fluid SAE J-1703	-65/+300°F	CB = Glass Filled PTFE RB = Med. Bronze PTFE	CP = 80A "EPDM" Ethylene/Propylene	AD = MoS₂ Polyamide
Silicone Oils DOT-5 MIL-B-46176	-65/+265°F	CB = Glass Filled PTFE RB = Med. Bronze PTFE	BN = 70A "NBR" Low Temp. Nitrile	AD = MoS₂ Polyamide
Unleaded Gasoline Pydraul 30E, 50E, 90E, 115E	-20/+400°F	CB = Glass Filled PTFE RB = Med. Bronze PTFE	F = 75A "FKM" Fluorocarbon	AD = MoS₂ Polyamide
MIL-L-7808 MIL-L-23699	-40/+400°F	CB = Glass Filled PTFE RB = Med. Bronze PTFE	K = 75A "FKM" Low Temp. Fluorocarbon	AD = MoS₂ Polyamide
*Temperature range is based on entire Cap-T assembly, not individual components. STANDARD MATERIALS SHOWN AS BOLD CHARACTERS.				

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