



12,000 RPM  
The Passion for



It's Not Just Good  
It's



Perfetta™



Live Center & Spindle Work-Stop Catalog \$9.95



**Enrico R. Giannetti**  
President

### **A Word from the President:**

**S**ince the introduction of the Quadra Index Tool Post in 1982, the Dorian Evolution has never stopped. By developing new ideas and promoting new technology, Dorian Tool has continuously improved our service, technical support, and delivery to our customers.

At Dorian Tool, the quest for innovative tools will never end. Our highly trained and skilled engineers have developed technology that set new standards in the industry and changed the machining process forever.

Today, Dorian Tool offers a wide selection of products for manual and CNC machines. From carbide inserts to toolholders; knurling tools to marking tools; machine tool accessories to automated turrets & rotary tables; tool setters to tool presetters; our tool selection has become the First Choice Technology for thousands of small and large shops around the world.

Thank you for making Dorian Tool successful. Our success comes from the original commitment we made to our customers:

***Quality, Service & Price.***



## Perfetta™ Live Center

*The evolution never ends,*



**D**orian Tool International introduces the Perfetta™ Live Center. These live centers, which have already been recognized throughout the rest of the industrial world as the most precise live centers ever built, are now available to the American machine tool industry. Designed for turning on a CNC lathe or for use on a CNC grinding machine, the Perfetta™ Live Center has over 50 years of proven workmanship. Where speed, precision and dependability are the requirements, these tools guarantee quality and performance.

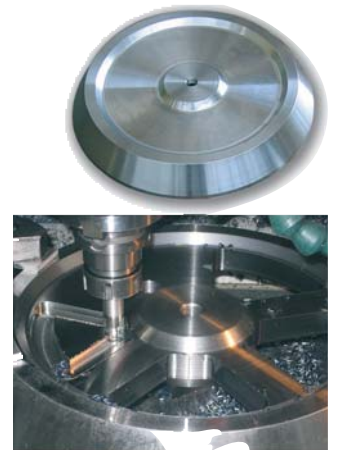


The Perfetta™ Live Center is manufactured from a Chromium-Molybdenum alloy steel which has been heat-treated to 62 Rc surface hardness and precisely ground to yield high strength and a long working life. The precise double-row of angular contact ball bearings and precision thrust bearing maximize speed, concentricity and minimize friction. A precision taper roller bearing is used for the heavy-duty Perfetta™ Live Centers to support a heavy workload and radial thrust. A precision taper roller bearing is used for the heavy-duty Perfetta™ Live Centers to support a heavy workload and radial thrust. A precision needle bearing located on the rear of the center shaft minimizes any spindle deflection, maximizes weight support, and neutralizes any turning vibrations.



To protect and extend the life of the Perfetta™ Live Center, the bearings are permanently lubricated with a special light weight oil, and hermetically sealed with a press fit brass shield and a neoprene seal.

The Perfetta™ Live Center has been engineered with the most precise workmanship is passed through a very strict quality control process and is continuously improving to meet the ever demanding needs of today's industry standards.



**The Perfetta™ Live Centers**  
are available in five models in sizes 1 to 6 Morse taper.









**General-Purpose**  
**Heavy-Duty**  
**CNC**  
**Super High-Speed**  
**Extra Heavy Duty Bull Nose**


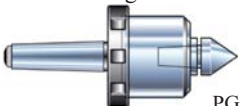













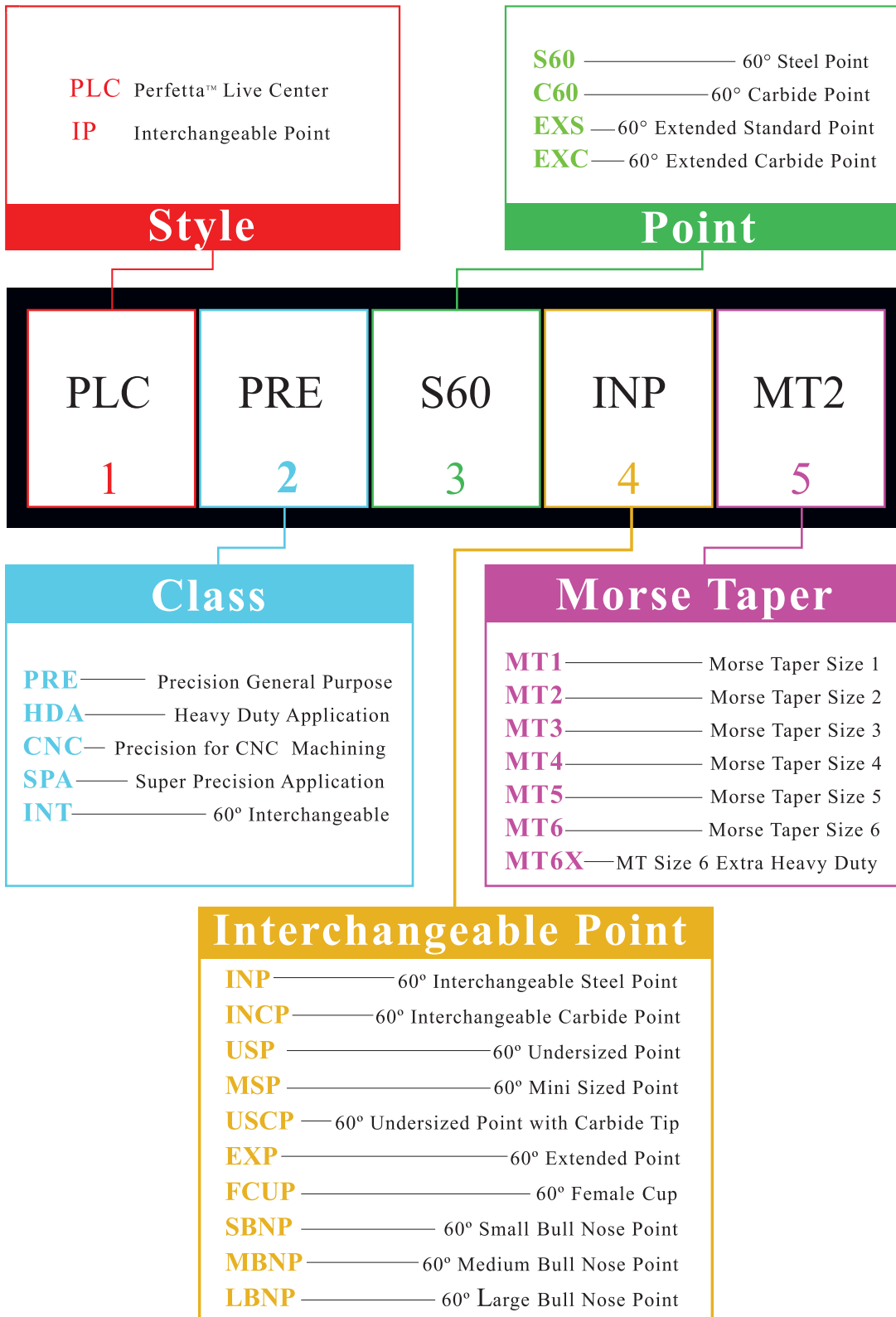
# Reference Chart

Style	Features	Application	Suggested Lathe
<b>Precision Live Center</b>  PG.5	<ul style="list-style-type: none"> <li>• Precision Concentricity TRI .00015</li> <li>• High Speed Precision Triple Bearings</li> <li>• The Bearings are Permanently Lubricated</li> <li>• Chromium-Molybdenum Alloy Steel</li> <li>• Surface Heat Treated to 62 Rc and Precision Ground</li> </ul>	<ul style="list-style-type: none"> <li>• Finishing to Light Roughing</li> <li>• Precision Turning</li> <li>• Medium Turning Speed</li> <li>• General Turning Application</li> <li>• Light to Medium Workpiece</li> </ul>	<ul style="list-style-type: none"> <li>• Manual Lathes</li> <li>• Small CNC Machine Center</li> </ul>
<b>Heavy Duty Live Center</b>  PG.6	<ul style="list-style-type: none"> <li>• Precision Concentricity TRI .00015</li> <li>• Heavy Duty Precision Quad Bearings</li> <li>• The Bearings are Permanently Lubricated</li> <li>• Chromium-Molybdenum Alloy Steel</li> <li>• Surface Heat Treated to 62 Rc and Precision Ground</li> </ul>	<ul style="list-style-type: none"> <li>• Heavy Roughing &amp; Precision Finishing</li> <li>• Precision Turning</li> <li>• Medium Turning Speed</li> <li>• High Performance Turning Application</li> <li>• Medium to Heavy Workpiece</li> </ul>	<ul style="list-style-type: none"> <li>• Manual Lathes</li> <li>• Heavy Duty Oil Country Lathe</li> <li>• All type of CNC Machine Center</li> </ul>
<b>Heavy Duty Live Center w/ Interchangeable Point</b>  PG.7	<ul style="list-style-type: none"> <li>• Precision Concentricity TRI .00015</li> <li>• Heavy Duty Precision Quad Bearings</li> <li>• The Bearings are Permanently Lubricated</li> <li>• Chromium-Molybdenum Alloy Steel</li> <li>• Surface Heat Treated to 62 Rc and Precision Ground</li> <li>• The Interchangeable Point</li> </ul>	<ul style="list-style-type: none"> <li>• Heavy Roughing &amp; Precision Finishing</li> <li>• Precision Turning</li> <li>• Medium Turning Speed</li> <li>• High Performance Turning Application</li> <li>• Medium to Heavy Workpiece</li> <li>• Multi Turning Workholding Support</li> </ul>	<ul style="list-style-type: none"> <li>• Manual Lathes</li> <li>• Heavy Duty Oil Country Lathe</li> <li>• All type of CNC Machine Center</li> </ul>
<b>CNC High Speed Heavy Duty Live Center</b>  PG.8	<ul style="list-style-type: none"> <li>• Precision Concentricity TRI .0001</li> <li>• High Speed Precision Quad Bearings</li> <li>• The Bearings are Permanently Lubricated</li> <li>• Sealed with Lip Seal and Locked with a Brass Shield</li> <li>• Chromium-Molybdenum Alloy Steel</li> <li>• Surface Heat Treated to 62 Rc and Precision Ground</li> </ul>	<ul style="list-style-type: none"> <li>• Roughing &amp; Precision Finishing</li> <li>• High Precision Turning</li> <li>• Medium to High Turning Speed</li> <li>• High Performance CNC Turning Application</li> <li>• Small &amp; Medium Workpiece</li> </ul>	<ul style="list-style-type: none"> <li>• All type of CNC Machine Center</li> <li>• High Precision Manual Lathes</li> </ul>
<b>CNC High Speed Heavy Duty Live Center w/Carbide Tip</b>  PG.8	<ul style="list-style-type: none"> <li>• Precision Concentricity TRI .0001</li> <li>• High Speed Precision Quad Bearings</li> <li>• The Bearings are Permanently Lubricated</li> <li>• Sealed with Lip Seal and Locked with a Brass Shield</li> <li>• Chromium-Molybdenum Alloy Steel</li> <li>• Surface Heat Treated to 62 Rc and Precision Ground</li> <li>• Point High wearing tolerance</li> </ul>	<ul style="list-style-type: none"> <li>• Roughing &amp; Precision Finishing</li> <li>• High Precision Turning</li> <li>• Medium to High Turning Speed</li> <li>• High Performance CNC Turning Application</li> <li>• Small &amp; Medium Workpiece</li> <li>• Long Run Job</li> </ul>	<ul style="list-style-type: none"> <li>• All type of CNC Manual Lathes</li> <li>• High Precision Manual Lathes</li> </ul>
<b>CNC High Speed Heavy Duty Live Center w/Interchangeable Point</b>  PG.9	<ul style="list-style-type: none"> <li>• Precision Concentricity TRI .0001</li> <li>• Triple Crown Super Precision Angular Ball Bearing</li> <li>• The Bearings are Permanently Lubricated</li> <li>• Sealed with Lip Seal and Locked with a Brass Shield</li> <li>• Chromium-Molybdenum Alloy Steel</li> <li>• Surface Heat Treated to 62 Rc and Precision Ground</li> <li>• The Interchangeable Point</li> </ul>	<ul style="list-style-type: none"> <li>• Roughing &amp; Precision Finishing</li> <li>• High Precision Turning</li> <li>• Medium to High Turning Speed</li> <li>• High Performance CNC Turning Application</li> <li>• Small &amp; Medium Workpiece</li> <li>• Multi Turning Workholding Support</li> </ul>	<ul style="list-style-type: none"> <li>• All type of CNC Manual Lathes</li> <li>• High Precision Manual Lathes</li> </ul>
<b>CNC High Speed Heavy Duty Live Center w/Extended Point</b>  PG.9	<ul style="list-style-type: none"> <li>• Precision Concentricity TRI .0001</li> <li>• Triple Crown Super Precision Angular Ball Bearing</li> <li>• The Bearings are Permanently Lubricated</li> <li>• Sealed with Lip Seal and Locked with a Brass Shield</li> <li>• Chromium-Molybdenum Alloy Steel</li> <li>• Surface Heat Treated to 62 Rc and Precision Ground</li> <li>• The Extended Point</li> </ul>	<ul style="list-style-type: none"> <li>• Roughing &amp; Precision Finishing</li> <li>• High Precision Turning</li> <li>• Medium to High Turning Speed</li> <li>• High Performance CNC Turning Application</li> <li>• Small &amp; Medium Workpiece</li> <li>• Multi Turning Workholding Support</li> <li>• Small end diamater workpiece</li> </ul>	<ul style="list-style-type: none"> <li>• All type of CNC Manual Lathes</li> <li>• High Precision Manual Lathes</li> </ul>
<b>CNC High Speed Heavy Duty Live Center w/Extended Point &amp; Carbide Tip</b>  PG.9	<ul style="list-style-type: none"> <li>• Precision Concentricity TRI .0001</li> <li>• Triple Crown Super Precision Angular Ball Bearing</li> <li>• The Bearings are Permanently Lubricated</li> <li>• Sealed with Lip Seal and Locked with a brass shield</li> <li>• Chromium-Molybdenum Alloy Steel</li> <li>• Surface Heat Treated to 62 Rc and Precision Ground</li> <li>• The Extended Point &amp; Carbide Tip</li> </ul>	<ul style="list-style-type: none"> <li>• Roughing &amp; Precision Finishing</li> <li>• High Precision Turning</li> <li>• Medium to High Turning Speed</li> <li>• High Performance CNC Turning Application</li> <li>• Small &amp; Medium Workpiece</li> <li>• Small End Diamater Workpiece</li> <li>• Long Run Job</li> </ul>	<ul style="list-style-type: none"> <li>• All type of CNC Manual Lathes</li> <li>• High Precision Manual Lathes</li> </ul>

Style	Features	Application	Suggested Lathe
<b>CNC Super High Speed Heavy Duty Live Center</b>  PG.10	<ul style="list-style-type: none"> <li>Precision Concentricity TRI .0001</li> <li>Triple Crown Super Precision Angular Ball Bearing</li> <li>The Bearings are permanently lubricated</li> <li>Sealed with Lip Seal and locked with a brass shield</li> <li>Chromium-Molybdenum Alloy Steel</li> <li>Surface Heat Treated to 62 Rc and Precision Ground</li> </ul>	<ul style="list-style-type: none"> <li>Heavy Roughing &amp; Precision Finishing</li> <li>Super Precision Turning</li> <li>High Turning Speed Up to 12000 RPM</li> <li>Super Precision Turning &amp; Grinding Application</li> <li>Light, Medium, Heavy Workpiece</li> </ul>	<ul style="list-style-type: none"> <li>All type of CNC Machine Center</li> <li>Cylindrical Grinding Machine</li> </ul>
<b>CNC Super High Speed Heavy Duty Live Center w/Interchangeable Point</b>  PG.11	<ul style="list-style-type: none"> <li>Precision Concentricity TRI .0001</li> <li>Triple Crown Super Precision Angular Ball Bearing</li> <li>The Bearings are permanently lubricated</li> <li>Sealed with Lip Seal and locked with a brass shield</li> <li>Chromium-Molybdenum Alloy Steel</li> <li>Surface Heat Treated to 62 Rc and Precision Ground</li> <li>The Interchangeable Points</li> </ul>	<ul style="list-style-type: none"> <li>Roughing &amp; Precision Finishing</li> <li>High Precision Turning</li> <li>High Turning Speed Up to 12000 RPM</li> <li>Super Precision Turning &amp; Grinding Application</li> <li>Light, Medium, Heavy Workpiece</li> <li>Multi Turning Workholding Support</li> </ul>	<ul style="list-style-type: none"> <li>All type of CNC Machine Center</li> <li>Cylindrical Grinding Machine</li> </ul>
<b>CNC Super High Speed Heavy Duty Live Center w/Extended Point</b>  PG.11	<ul style="list-style-type: none"> <li>Precision Concentricity TRI .0001</li> <li>Triple Crown Super Precision Angular Ball Bearing</li> <li>The Bearings are permanently lubricated</li> <li>Sealed with Lip Seal and locked with a brass shield</li> <li>Chromium-Molybdenum Alloy Steel</li> <li>Surface Heat Treated to 62 Rc and Precision Ground</li> <li>Extended Point</li> </ul>	<ul style="list-style-type: none"> <li>Roughing &amp; Precision Finishing</li> <li>High Precision Turning</li> <li>High Turning Speed Up to 12000 RPM</li> <li>Super Precision Turning &amp; Grinding Application</li> <li>Light, Medium, Heavy Workpiece</li> <li>Small End Diameter Workpiece</li> </ul>	<ul style="list-style-type: none"> <li>All type of CNC Machine Center</li> <li>Cylindrical Grinding Machine</li> </ul>
<b>CNC Super High Speed Heavy Duty Live Center w/Extended Point &amp; Carbide Tip</b>  PG.11	<ul style="list-style-type: none"> <li>Precision Concentricity TRI .0001</li> <li>Triple Crown Super Precision Angular Ball Bearing</li> <li>The Bearings are permanently lubricated</li> <li>Sealed with Lip Seal and locked with a brass shield</li> <li>Chromium-Molybdenum Alloy Steel</li> <li>Surface Heat Treated to 62 Rc and Precision Ground,</li> <li>Extended Point &amp; Carbide Tip</li> </ul>	<ul style="list-style-type: none"> <li>Roughing &amp; Precision Finishing</li> <li>High Precision Turning</li> <li>High Turning Speed Up to 12000 RPM</li> <li>Super Precision Turning &amp; Grinding Application</li> <li>Light, Medium, Heavy Workpiece</li> <li>Small End Diameter Workpiece</li> <li>Long Run Job</li> </ul>	<ul style="list-style-type: none"> <li>All type of CNC Machine Center</li> <li>Cylindrical Grinding Machine</li> </ul>
<b>CNC High Speed Heavy Duty Live Center SET</b>  PG.13-14	<ul style="list-style-type: none"> <li>Precision Concentricity TRI .0001</li> <li>High Speed Precision Quad Bearings</li> <li>The Bearings are permanently lubricated</li> <li>Sealed with Lip Seal and locked with a brass shield</li> <li>Chromium-Molybdenum Alloy Steel</li> <li>Surface Heat Treated to 62 Rc and Precision Ground</li> <li>Includes 5 Interchangeable Points</li> </ul>	<ul style="list-style-type: none"> <li>Multi Turning Interchangeable Point</li> <li>Roughing &amp; Precision Finishing</li> <li>Medium to High Turning Speed</li> <li>High Performance CNC Turning Application</li> <li>Small End Diameter Workpiece</li> <li>From Small Dia. Workpiece to Pipe work</li> </ul>	<ul style="list-style-type: none"> <li>All type of CNC Machine Center</li> <li>High Precision Manual Lathes</li> </ul>
<b>Constant Face Driver &amp; Driving Prongs</b>  PG.15-18	<ul style="list-style-type: none"> <li>Turning the entire length of the workpiece from end to end in one single set-up and operation</li> <li>Turning between Centers with Constant Driving Force</li> <li>The Center is Spring Loaded, providing a longitudinal stop to the workpiece, making the machining easy, accurate &amp; productive.</li> <li>High Precision concentricity, maximum run-out .0004</li> <li>The Body of the Face Driver, offer good tool clearance and chip flow.</li> <li>Very little material required for Grinding operation</li> <li>Quick loading and unloading of the workpiece</li> <li>The Center is heat treated, to withstand repeated regrinding</li> </ul>	<ul style="list-style-type: none"> <li>For Turning the Full Length of the Workpiece</li> <li>For Turning Shafts and Solid Bars</li> <li>For Turning all Types of Workpiece, where Centers are Permissible</li> <li>For Turning in any Rotations and Directions</li> <li>For High Precision Turning</li> <li>For High Automated and CNC Set-Up</li> <li>For High Production Environment</li> </ul>	<ul style="list-style-type: none"> <li>All type of CNC Machine Center</li> <li>Manual Lathes</li> <li>CNC Machine Center</li> </ul>
<b>Extra Heavy Duty Bull Nose Live Center</b>  PG.19-22	<ul style="list-style-type: none"> <li>Precision Concentricity TRI .00015</li> <li>Heavy Duty Precision Quad Bearings System</li> <li>The Bearings are permanente lubricated and hermetically sealed</li> <li>Chromium-Molybdenum Alloy Steel</li> <li>Surface Heat Treated to 62 Rc and Precision Ground,</li> <li>Modular Taper Heads, capacity ranges from 1.77" to 23.64'</li> <li>Especially built for Oil Country Lathe and CNC Machine Center</li> </ul>	<ul style="list-style-type: none"> <li>For Turning &amp; Threading Pipes &amp; Tubing</li> <li>Heavy Duty Roughing &amp; Finishing Operations</li> <li>Low to Medium RPM and High Thrust Load</li> <li>High Performance Turning Application</li> <li>Medium to Heavy Workpiece</li> <li>Quick loading and Unloading of the Workpiece</li> <li>The Center is Heat Treated, to Withstand Repeated Regrinding</li> </ul>	<ul style="list-style-type: none"> <li>All type of CNC Machine Center</li> <li>Manual Lathes</li> <li>CNC Machine Center</li> </ul>
<b>CNC Threaded &amp; Morse Taper Dead Centers</b>  PG.23-24	<ul style="list-style-type: none"> <li>Precision Concentricity TRI .0001</li> <li>Points Interchagibility for a specific Turning application</li> <li>Built with Tool Steel, Heat treated and super precision ground for accuracy, Precision and Durability.</li> <li>Extraction nut</li> </ul>	<ul style="list-style-type: none"> <li>Roughing &amp; Precision Finishing</li> <li>For all Turning Applications on the CNC Machine Center</li> </ul>	<ul style="list-style-type: none"> <li>All types of CNC Machine Center</li> </ul>
<b>CNC Spindle Work-Stop™</b>  PG.25-27	<ul style="list-style-type: none"> <li>Quick Set-up</li> <li>For Collet &amp; Chuck Stop</li> <li>Work Stop supplied with 1/8" Pin &amp; Flange Stop</li> <li>Infinite Diameter adjustment</li> <li>Ranging from to 3/4" to 5 3/4" Diameter Capacity</li> <li>Easy and Simple to Operate</li> <li>Work Stop supplied with 1/8" Pin &amp; Flange Stop</li> <li>Built for extreme Precision &amp; Rigidity</li> </ul>	<ul style="list-style-type: none"> <li>Job Set-up</li> <li>Milling Operation</li> <li>Turning Operation</li> </ul>	<ul style="list-style-type: none"> <li>Manual Lathes</li> <li>CNC Turning Center</li> <li>CNC Machine Center</li> <li>Used on Chucks</li> <li>Use on Collet</li> <li>Use on Rotary Tables</li> </ul>



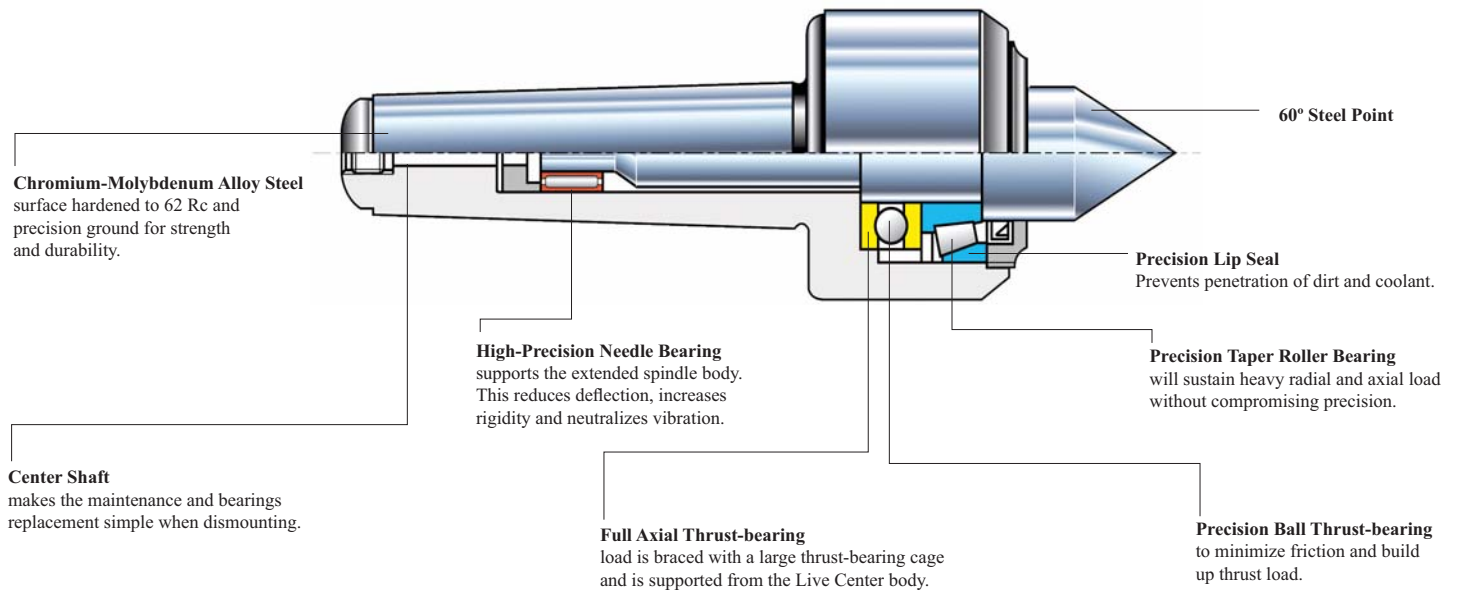
# Perfetta™ Live Center Identification System



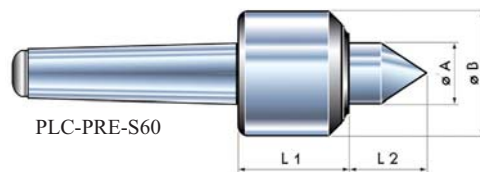


# Perfetta™ Precision Live Center

- THREE BEARINGS
- HIGH ACCURACY
- HIGH SPEEDS
- MEDIUM APPLICATION
- LIFE TIME LUBRICATION
- LONG LIFE



Precision Live Center

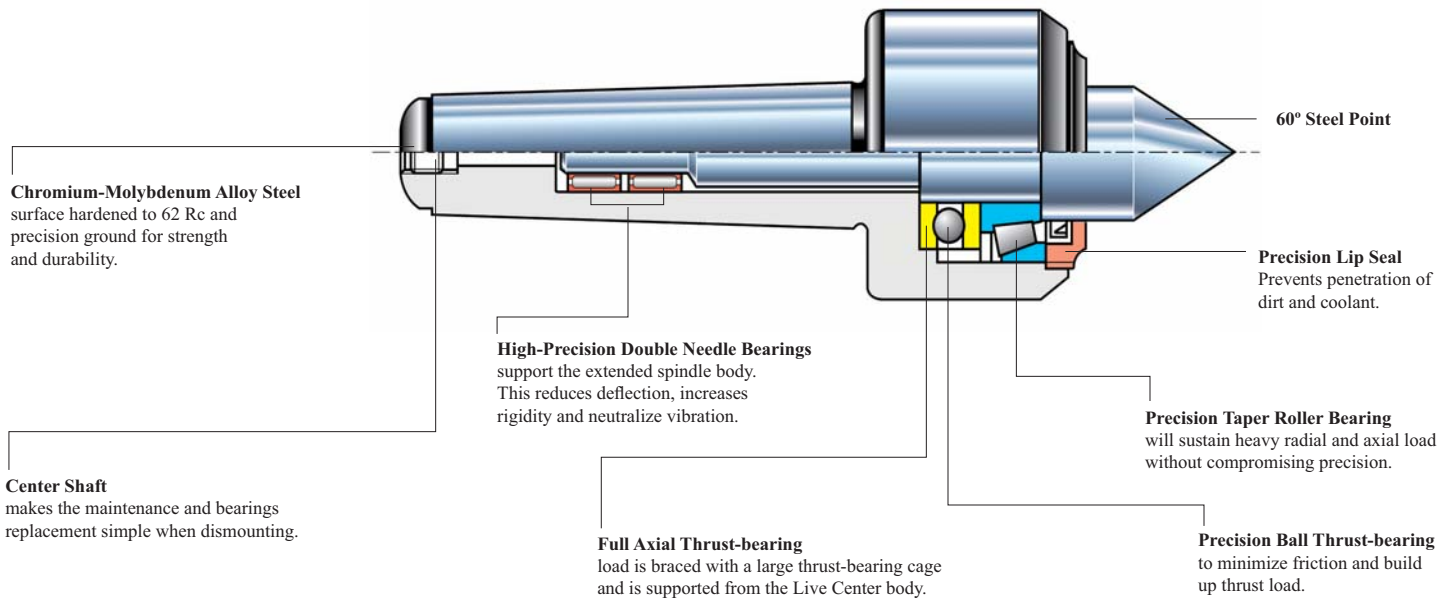


Precision Live Center		Specifications								
UPC 733101-	Description	A	B	L1	L2	Morse Taper	Weight (lb)	Max. RPM	Max. workpiece weight (lb)	Thrust load (lb)
48200	PLC-PRE-S60-MT1	0.63	1.49	1.45	0.79	1	1.10	8500	98	365
48201	PLC-PRE-S60-MT2	0.87	1.89	1.65	0.98	2	2.00	6000	220	792
48202	PLC-PRE-S60-MT3	0.87	2.17	1.69	1.60	3	2.20	5000	572	1144
48203	PLC-PRE-S60-MT4	1.14	2.40	2.00	1.49	4	3.50	4000	1078	1320
48204	PLC-PRE-S60-MT5	1.49	3.15	2.16	1.77	5	7.70	3000	1672	1430
48205	PLC-PRE-S60-MT6	1.65	3.70	2.67	2.67	6	17.60	2500	3388	3300

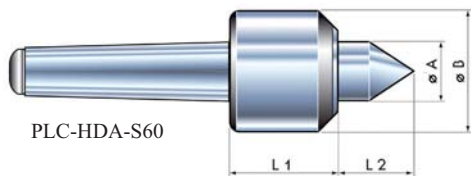


# Perfetta™ Heavy Duty Live Center

- FOUR BEARINGS
- HIGH ACCURACY
- MEDIUM SPEEDS
- HEAVY DUTY APPLICATION
- LIFE TIME LUBRICATION
- LONG LIFE



**Heavy Duty Live Center**

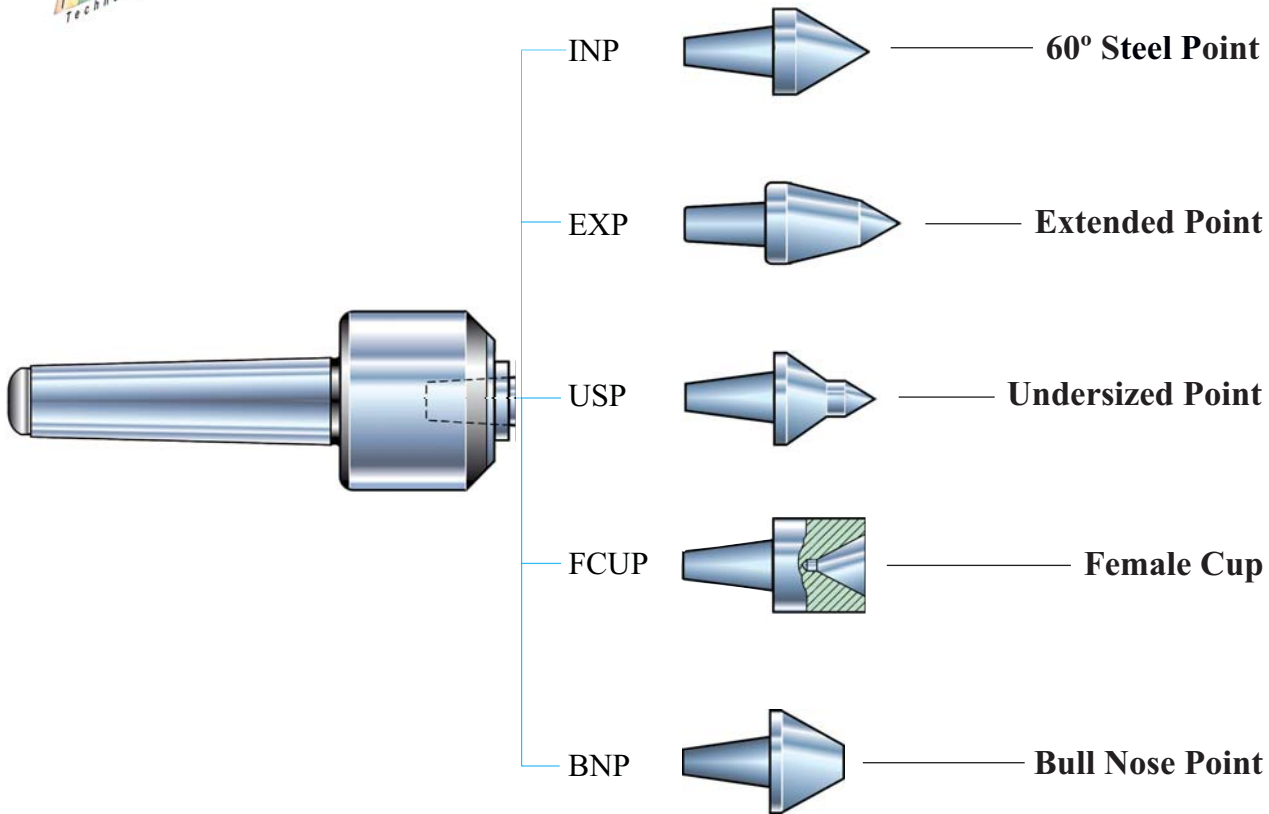


Heavy Duty Live Center		Specifications								
UPC 733101-	Description	A	B	L1	L2	Morse Taper	Weight (lb)	Max. RPM	Max. workpiece weight (lb)	Thrust load (lb)
48206	PLC-HDA-S60-MT2	0.87	201	1.69	0.99	2	1.98	7500	506	1012
48207	PLC-HDA-S60-MT3	0.99	2.17	1.69	1.10	3	2.20	6000	2090	1144
48208	PLC-HDA-S60-MT4	1.14	2.40	2.01	1.50	4	3.52	4500	3300	1320
48209	PLC-HDA-S60-MT5	1.50	3.15	2.32	1.85	5	7.70	2800	4400	2640
48210	PLC-HDA-S60-MT6	1.65	4.26	3.47	2.17	6	22.00	200	10560	3300
48211	PLC-HDA-S60-MT6-S	2.36	5.44	4.57	2.40	6-S	26.40	1700	19800	6600
48212	PLC-HDA-S60-MTM80	2.44	5.75	4.57	2.96	M80	39.60	1100	19800	6600
48213	PLC-HDA-S60-MTM100	3.07	7.01	5.28	3.05	M100	85.80	900	29700	11000



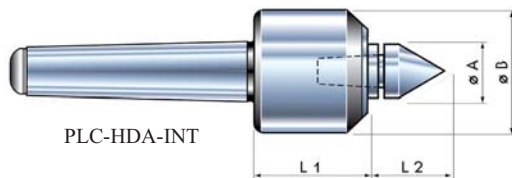


# Perfetta™ Heavy Duty Live Center with Interchangeable Point



For a full range of center points see pages 13-14.

## Heavy Duty Live Center with 60° Interchangeable Point



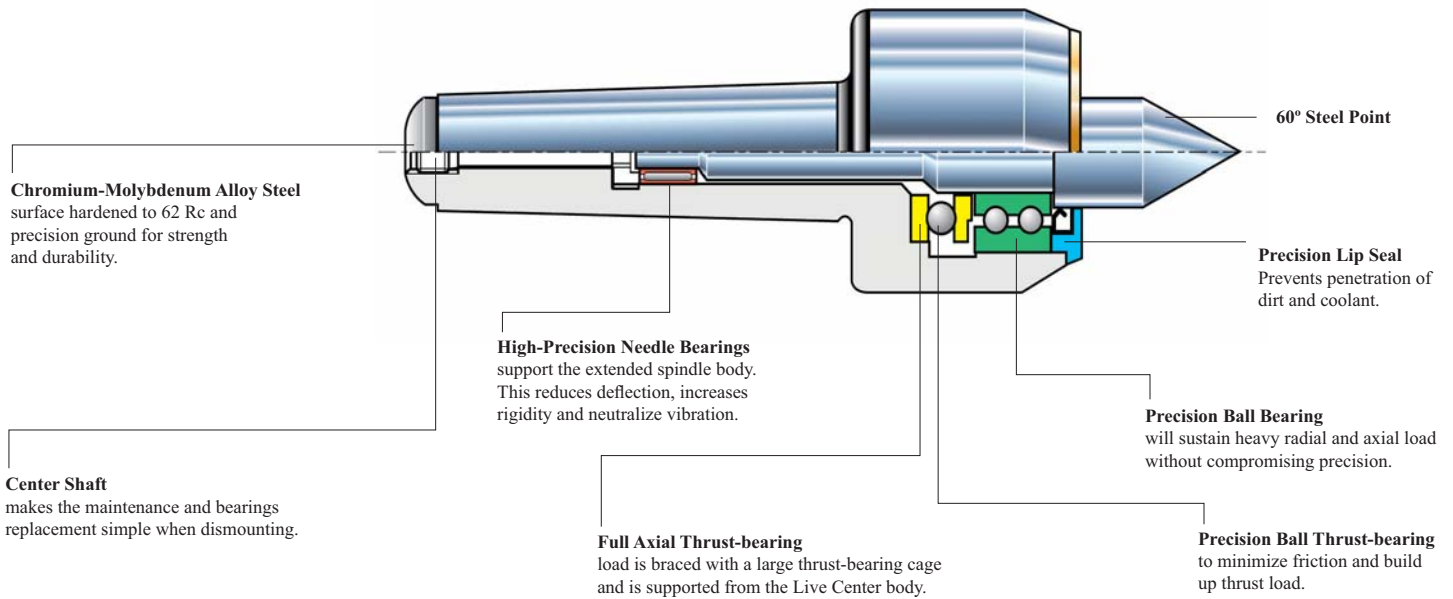
For Extraction Point Wrench NOT Supplied see page 14.

Heavy Duty Live Center With Interchangeable Point		Specifications								
UPC 733101-	Description	A	B	L1	L2	Morse Taper	Weight (lb)	Max. RPM	Max. workpiece weight (lb)	Thrust load (lb)
48214	PLC-HDA-INT-MT2	0.99	2.01	1.69	1.38	2	1.98	7500	506	1012
48215	PLC-HDA-INT-MT3	0.99	2.17	1.69	1.42	3	2.20	6000	2090	1144
48216	PLC-HDA-INT-MT4	1.14	2.40	2.01	1.58	4	3.52	4500	3300	1320
48217	PLC-HDA-INT-MT5	1.38	3.15	2.32	1.89	5	7.70	2800	4400	2640
48218	PLC-HDA-INT-MT6	1.65	4.26	3.47	2.17	6	22.00	200	10560	3300
48219	PLC-HDA-INT-MT6-S	1.65	5.44	4.57	2.40	6-S	26.40	1700	19800	6600

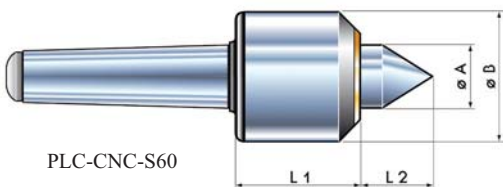


# Perfetta™ CNC High Speed Heavy Duty Live Center

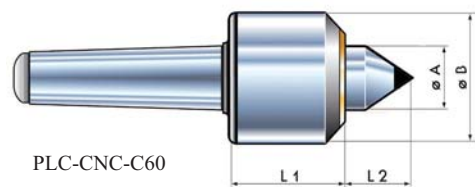
- **FOUR BEARINGS**
- **HEAVY DUTY APPLICATION**
- **HIGH ACCURACY**
- **LIFE TIME LUBRICATION**
- **HIGH SPEEDS**
- **LONG LIFE**



**CNC High Speed Heavy Duty Live Center**



**CNC High Speed Heavy Duty Live Center with Carbide Tip**

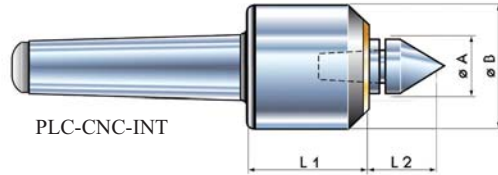


CNC High Speed Heavy Duty Live Center with Steel Tip		CNC High Speed Heavy Duty Live Center with Carbide Tips		Specifications								
UPC 733101-	Description	UPC 733101-	Description	A	B	L1	L2	Morse Taper	Weight (lb)	Max. RPM	Max. workpiece weight (lb)	Thrust load (lb)
48220	PLC-CNC-S60-MT3	48224	PLC-CNC-C60-MT3	0.87	2.17	1.85	1.10	3	2.20	7000	1386	1144
48221	PLC-CNC-S60-MT4	48225	PLC-CNC-C60-MT4	1.14	2.40	2.17	1.58	4	3.63	5500	1883	1438
48222	PLC-CNC-S60-MT5	48226	PLC-CNC-C60-MT5	1.50	3.15	2.48	1.89	5	7.81	4500	2860	2486
48223	PLC-CNC-S60-MT6	48227	PLC-CNC-C60-MT6	1.65	3.66	2.88	2.17	6	18.70	3200	3740	2508



# Perfetta™ CNC High Speed Heavy Duty Live Center

## CNC High Speed Heavy Duty Live Center with Interchangeable Point

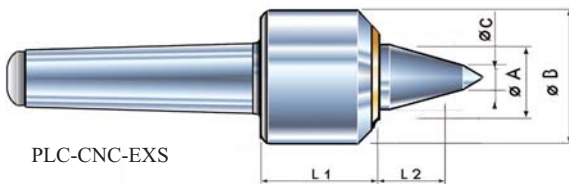


For Extraction Point Wrench NOT Supplied see page 14.

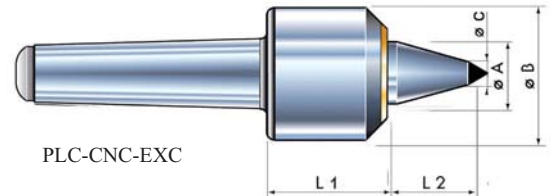
CNC High Speed Heavy Duty Live Center with Interchangeable Point		Specifications								
UPC 733101-	Description	A	B	L1	L2	Morse Taper	Weight (lb)	Max. RPM	Max. workpiece weight (lb)	Thrust Load (lb)
48228	PLC-CNC-INT-MT3	0.99	2.17	1.85	1.46	3	2.20	7000	1386.00	1144.00
48229	PLC-CNC-INT-MT4	1.14	2.40	2.17	1.60	4	3.63	5500	1883.20	1438.80
48230	PLC-CNC-INT-MT5	1.38	3.15	2.48	1.81	5	7.81	4500	2860.00	2486.00
48231	PLC-CNC-INT-MT6	1.65	3.66	2.88	2.17	6	18.70	3200	3740.00	2508.00

For 6 piece SET and a full range of center points see pages 12-14

## CNC High Speed Heavy Duty Live Center with Extended Point



## CNC High Speed Heavy Duty Live Center with Extended Point & Carbide Tip

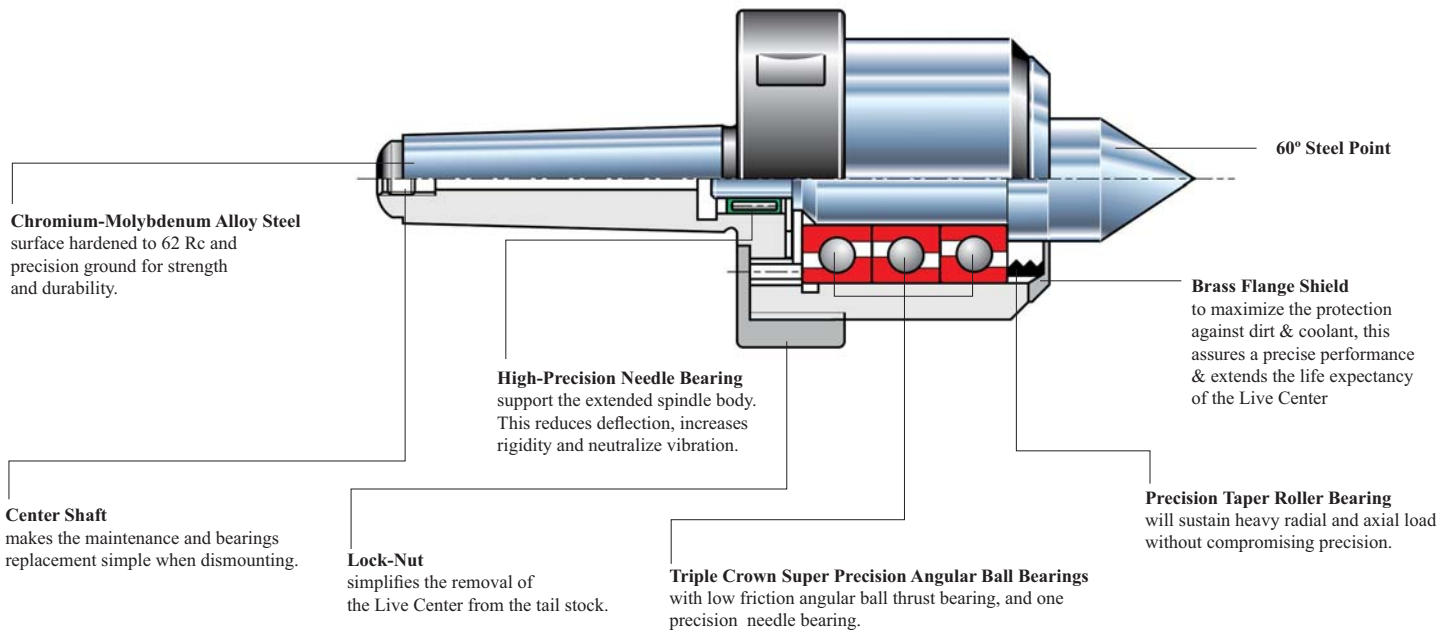


CNC High Speed Heavy Duty Live Center with Extended Point & Steel Tip		CNC High Speed Heavy Duty Live Center with Extended Point & Carbide Tip		Specifications									
UPC 733101-	Description	UPC 733101-	Description	A	B	C	L1	L2	Morse Taper	Weight (lb)	Max. RPM	Max. workpiece weight (lb)	Thrust load (lb)
48232	PLC-CNC-EXS-MT3	48236	PLC-CNC-EXC-MT3	0.87	2.17	0.24	1.85	1.65	3	2.20	7000	1210	1144
48233	PLC-CNC-EXS-MT4	48237	PLC-CNC-EXC-MT4	1.14	2.40	0.32	2.17	2.01	4	3.63	5500	1650	1439
48234	PLC-CNC-EXS-MT5	48238	PLC-CNC-EXC-MT5	1.50	3.15	0.39	2.48	2.21	5	7.81	4500	2640	2486
48235	PLC-CNC-EXS-MT6	48239	PLC-CNC-EXC-MT6	1.65	3.66	0.47	2.88	3.47	6	18.70	3200	3300	2508

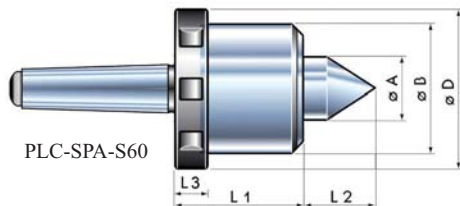


# Perfetta™ CNC Super High Speed Heavy Duty Live Center

- FOUR BEARINGS
- HIGH ACCURACY
- HIGH SPEEDS
- HEAVY DUTY APPLICATION
- LIFE TIME LUBRICATION
- LONG LIFE



## CNC Super High Speed Heavy Duty Live Center



For Lock Nut Wrench NOT Supplied see page 14.

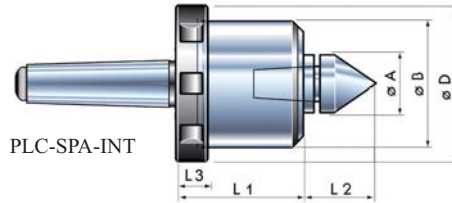
CNC Super High Speed Heavy Duty Live Center		Specifications										
UPC 733101-	Description	A	B	D	L1	L2	L3	Morse Taper	Weight (lb)	Max. RPM	Max. workpiece weight (lb)	Thrust load (lb)
48240	PLC-SPA-S60-MT3	1.18	2.44	2.89	2.72	1.65	0.95	3	4.62	12000	3300	2860
48241	PLC-SPA-S60-MT4	1.38	3.07	3.52	3.15	2.01	0.95	4	8.25	9000	5060	4180
48242	PLC-SPA-S60-MT5	1.65	3.66	4.19	3.35	2.21	1.06	5	14.30	8000	8140	5280





# Perfetta™ CNC Super High Speed Heavy Duty Live Center

## CNC Super High Speed Heavy Duty Live Center with Interchangeable Point

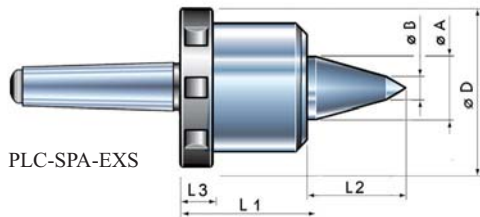


For Extraction Wrench and Lock Nut Wrench NOT Supplied see page 14.

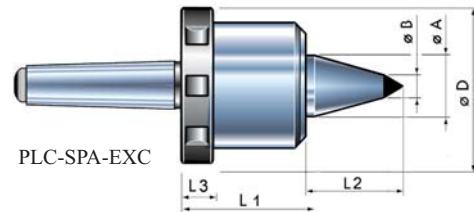
CNC Super High Speed Heavy Duty with Interchangeable Point		Specifications										
UPC 733101-	Description	A	B	D	L1	L2	L3	Morse Taper	Weight (lb)	Max. RPM	Max. workpiece weight (lb)	Thrust load (lb)
48243	PLC-SPA-INT-MT3	0.99	2.44	2.89	2.72	1.36	0.95	3	4.62	12000	3300	2860
48244	PLC-SPA-INT-MT4	1.14	3.07	3.52	3.15	1.54	0.95	4	8.25	9000	5060	4180
48245	PLC-SPA-INT-MT5	1.38	3.66	4.19	3.35	1.73	1.06	5	14.30	8000	8140	5280

For a full range of center points see pages 13-14.

## CNC Super High Speed Heavy Duty Live Center with Extended Point



## CNC Super High Speed Heavy Duty Live Center with Extended Point & Carbide Tip



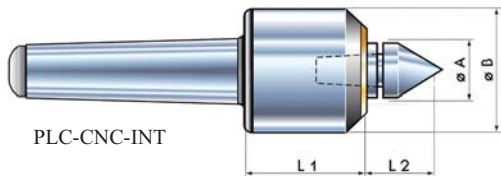
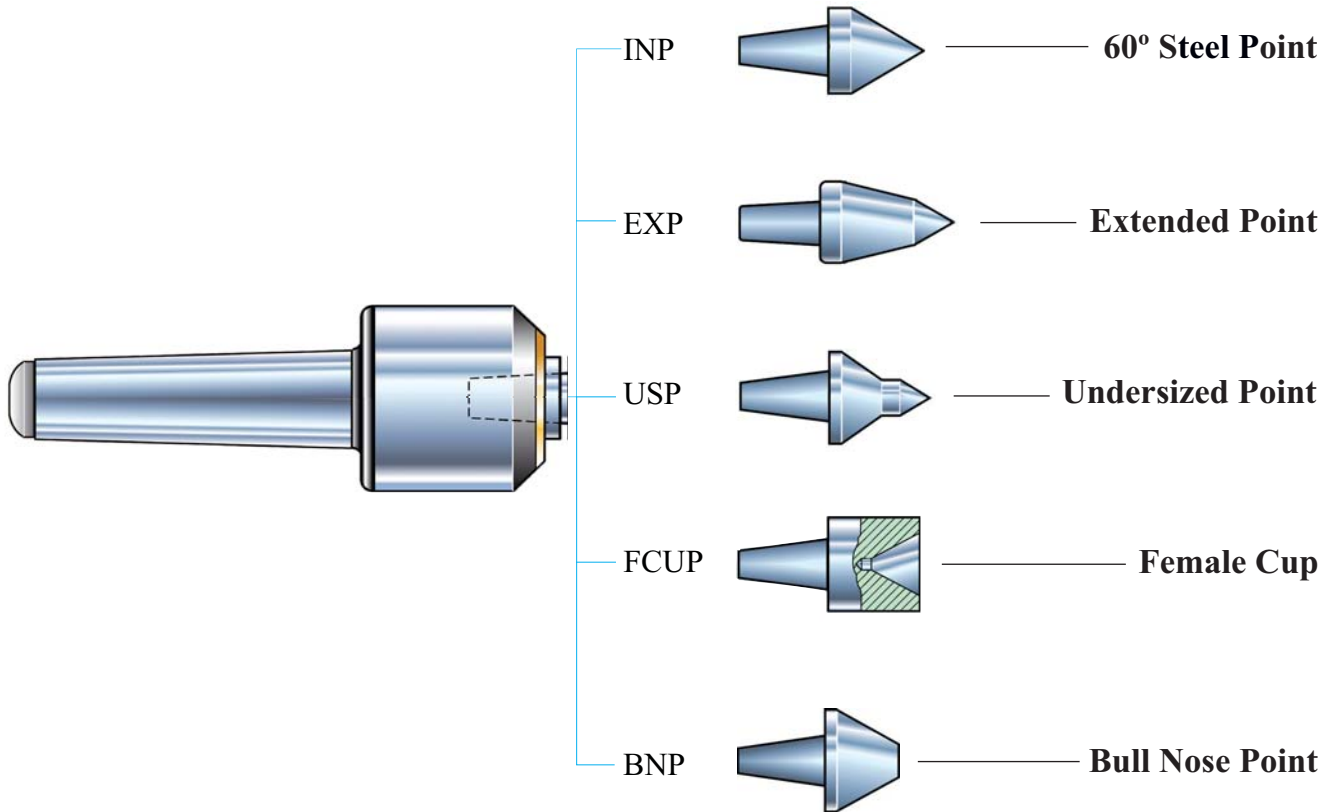
For Lock Nut Wrench NOT Supplied see page 14.

CNC Super High Speed Heavy Duty with Extended Point		CNC Super High Speed Heavy Duty With Extended Point & Carbide Tip		Specifications										
UPC 733101-	Description	UPC 733101-	Description	A	B	D	L1	L2	L3	Morse Taper	Weight (lb)	Max. RPM	Max. workpiece weight (lb)	Thrust load (lb)
48246	PLC-SPA-EXS-MT3	48249	PLC-SPA-EXC-MT3	1.18	2.44	2.89	2.72	1.58	0.95	3	4.62	12000	2640	2860
48247	PLC-SPA-EXS-MT4	48250	PLC-SPA-EXC-MT4	1.38	3.07	3.52	3.15	1.73	0.95	4	8.25	9000	4180	4180
48248	PLC-SPA-EXS-MT5	48251	PLC-SPA-EXC-MT5	1.65	3.66	4.19	3.35	2.34	1.06	5	14.30	8000	6380	5280



# Perfetta™ CNC High Speed Heavy Duty Live Center SET

## Five 60° Interchangeable Points Included in Set:



For Extraction Wrench SUPPLIED see page 14.

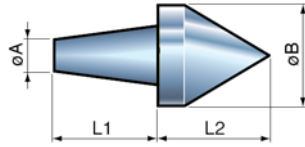
CNC High Speed Heavy Duty Live Center Set		Specifications					6 Piece Set					
UPC 733101-	Description	Morse Taper	Weight (lb)	Max. RPM	Max. workpiece weight (lb)	Thrust load (lb)	Includes 1 Live Center & 5 Points					
48300	PLC-CNC-INT-MT3-SET	3	5.72	6000	1386	1144	PLC-CNC-INT-MT3	INP-2-3	EXP-2-3	USP-2-3	FCUP-2-3	SBNP-2-3
48301	PLC-CNC-INT-MT4-SET	4	7.70	5000	1883	1439	PLC-CNC-INT-MT4	INP-4	EXP-4	USP-4	FCUP-4	SBNP-4
48302	PLC-CNC-INT-MT5-SET	5	11.66	4000	2860	2486	PLC-CNC-INT-MT5	INP-5	EXP-5	USP-5	FCUP-5	SBNP-5
48303	PLC-CNC-INT-MT6-SET	6	29.70	3000	3740	2508	PLC-CNC-INT-MT6	INP-6	EXP-6	USP-6	FCUP-6	SBNP-6

See page 7 for additional Interchangeable Live Centers.



# Perfetta™ Live Center 60° Interchangeable Points

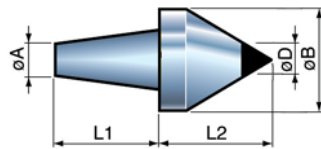
## Model INP



### Standard Interchangeable Point

UPC 733101-	Description	Fits Body Size	A	B	L1	L2
48305	PLCIP-INP-2-3	2&3	0.47	1.14	1.14	1.22
48306	PLCIP-INP-4	4	0.47	1.14	1.14	1.22
48307	PLCIP-INP-5	5	0.68	1.38	1.18	1.42
48308	PLCIP-INP-6	6	0.73	1.65	0.30	1.77

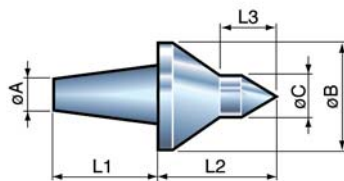
## Model INCP



### Standard Interchangeable Point with Carbide

UPC 733101-	Description	Fits Body Size	A	B	D	L1	L2
48309	PLCIP-INCP-2-3	2&3	0.39	0.99	0.39	1.06	1.10
48310	PLCIP-INCP-4	4	0.47	1.14	0.47	1.14	1.22
48311	PLCIP-INCP-5	5	0.68	1.38	0.68	1.18	1.42
48312	PLCIP-INCP-6	6	0.73	1.65	0.73	0.30	1.77

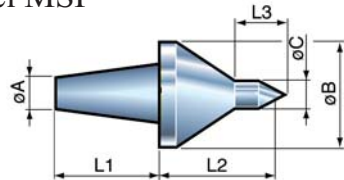
## Model USP



### Undersized Point

UPC 733101-	Description	Fits Body Size	A	B	C	L1	L2	L3
48313	PLCIP-USP-2-3	2&3	0.39	0.99	0.47	1.06	1.34	0.63
48314	PLCIP-USP-4	4	0.47	1.14	0.47	1.14	1.46	0.63
48315	PLCIP-USP-5	5	0.68	1.38	0.59	1.18	1.65	0.75
48316	PLCIP-USP-6	6	0.73	1.65	0.79	1.30	2.13	0.02

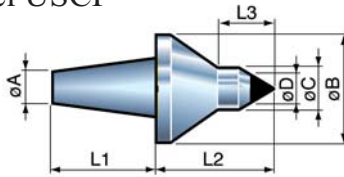
## Model MSP



### Mini Sized Point

UPC 733101-	Description	Fits Body Size	A	B	C	L1	L2	L3
48317	PLCIP-MSP-2-3	2&3	0.39	0.99	0.47	1.06	1.34	0.63
48318	PLCIP-MSP-4	4	0.47	1.14	0.47	1.14	1.46	0.63
48319	PLCIP-MSP-5	5	0.68	1.38	0.59	1.18	1.65	0.75
48320	PLCIP-MSP-6	6	0.73	1.65	0.00	1.30	1.77	0.00

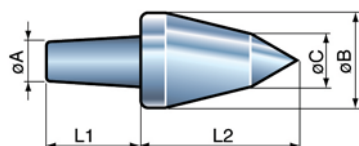
## Model USCP



### Undersized Point with Carbide Tip

UPC 733101-	Description	Fits Body Size	A	B	C	D	L1	L2	L3
48321	PLCIP-USCP-2-3	2&3	0.39	0.99	0.47	0.28	1.06	1.34	0.63
48322	PLCIP-USCP-4	4	0.47	1.14	0.47	0.32	1.14	1.46	0.63
48323	PLCIP-USCP-5	5	0.68	1.38	0.59	0.47	1.18	1.65	0.75
48324	PLCIP-USCP-6	6	0.73	1.65	0.47	0.47	0.30	2.96	0.00

## Model EXP



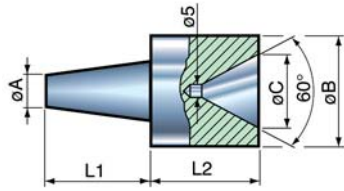
### Extended Point

UPC 733101-	Description	Fits Body Size	A	B	C	L1	L2
48325	PLCIP-EXP-2-3	2&3	0.40	0.99	0.32	1.06	1.77
48326	PLCIP-EXP-4	4	0.47	1.14	0.39	1.14	1.97
48327	PLCIP-EXP-5	5	0.68	1.38	0.47	1.18	2.32
48328	PLCIP-EXP-6	6	0.73	1.65	0.47	1.30	2.96



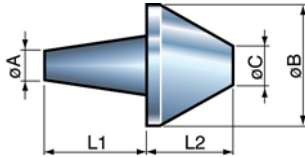
# Perfetta™ Live Center 60° Interchangeable Points

## Model FCUP



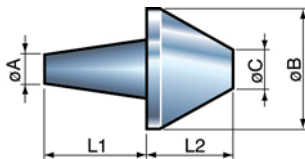
Female Cup							
UPC 733101-	Description	Fits Body Size	A	B	C	L1	L2
48329	PLCIP-FCUP-2-3	2&3	0.41	1.14	0.91	1.06	1.18
48330	PLCIP-FCUP-4	4	0.47	1.14	0.91	1.14	1.18
48331	PLCIP-FCUP-5	5	0.68	1.38	1.06	1.18	1.38
48332	PLCIP-FCUP-6	6	0.73	1.46	1.06	1.30	1.38

## Model SBNP



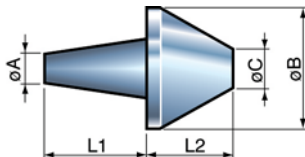
Small Bull Nose Point							
UPC 733101-	Description	Fits Body Size	A	B	C	L1	L2
48333	PLCIP-SBNP-2-3	2&3	0.41	2.32	1.02	1.06	0.38
48334	PLCIP-SBNP-4	4	0.47	2.32	1.02	1.14	1.38
48335	PLCIP-SBNP-5	5	0.68	2.32	1.02	1.18	1.38
48336	PLCIP-SBNP-6	6	0.73	2.32	1.02	1.30	1.38

## Model MBNP



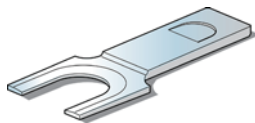
Medium Bull Nose Point							
UPC 733101-	Description	Fits Body Size	A	B	C	L1	L2
48337	PLCIP-MBNP-2-3	2&3	0.41	3.07	1.81	1.06	1.38
48338	PLCIP-MBNP-4	4	0.47	3.07	1.81	1.14	1.38
48339	PLCIP-MBNP-5	5	0.68	3.07	1.81	1.18	1.38
48340	PLCIP-MBNP-6	6	0.73	3.07	1.81	1.30	1.38

## Model LBNP



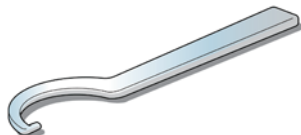
Large Bull Nose Point							
UPC 733101-	Description	Fits Body Size	A	B	C	L1	L2
48341	PLCIP-LBNP-2-3	2&3	0.41	3.86	1.81	1.06	1.38
48342	PLCIP-LBNP-4	4	0.47	3.86	1.81	1.14	1.38
48343	PLCIP-LBNP-5	5	0.68	3.86	1.81	1.18	1.38
48344	PLCIP-LBNP-6	6	0.73	3.86	1.81	1.30	1.38

## Center Point Extraction Wrench



Center Point Extraction Wrench		
UPC 733101-	Description	Fits Body Size
48345	PLCIP-CPEW-2-3	MT2-3
48346	PLCIP-CPEW-4	MT4
48347	PLCIP-CPEW-5	MT5
48348	PLCIP-CPEW-6	MT6

## CNC Lock Nut Wrench

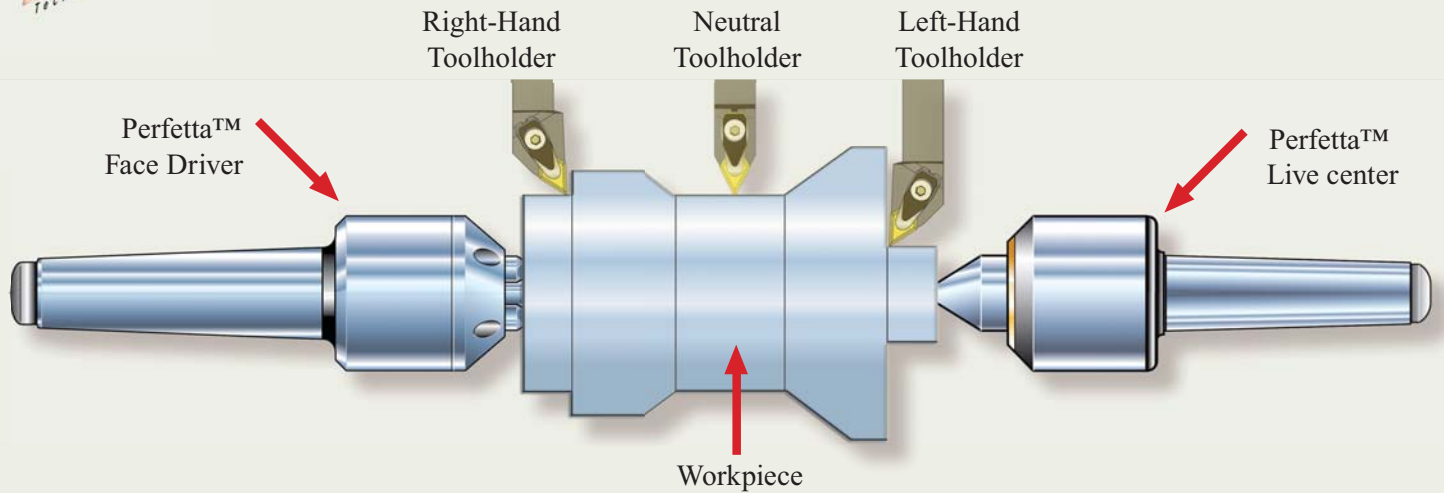


CNC Lock Nut Wrench		
UPC 733101-	Description	Fits Body Size
48349	PLCIP-LNW-30SP	MT3
48350	PLCIP-LNW-40SP	MT4
48351	PLCIP-LNW-50SP	MT5



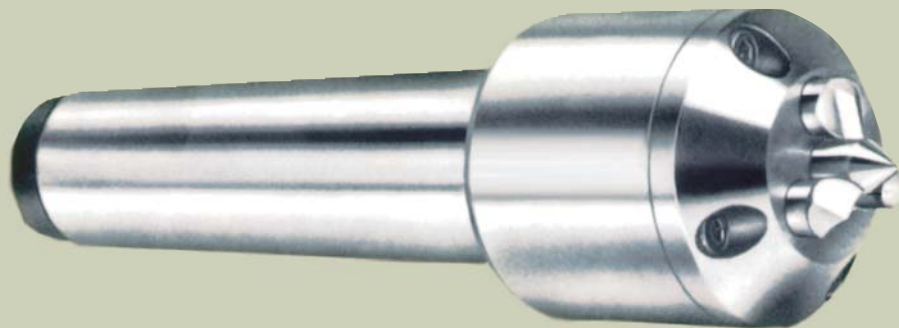


# Perfetta™ Face Driver & Driving Prong



**T**he Perfetta™ Face Driver (PLC-FD), is engineered to drive a workpiece without clamping the outside diameter, allowing a precision turning of the workpiece over the entire length in one set-up and one operation.

The Perfetta™ Face Driver develops a Thrust Force through a Mechanical Compensation system. This is accomplished by compensating the clamping force for on even workpiece ends, providing a positive & universal drive for turning forward or backward rotation, as well as turning toward and away from the Face Driver. The center of the Perfetta™ Face Driver, is Spring Loaded, providing a longitudinal stop to the workpiece, making the machining easy, accurate and productive.

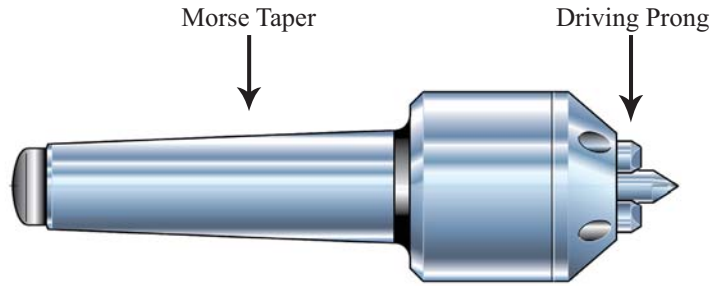


The Perfetta™ Face Driver is built with Chromium-Molybdenum Alloy Steel, Surface hardened to 62 Rc and precision ground, for strength durability, accuracy and precise performance. The precise turning concentricity of the workpiece reduces the amount of material needed for grinding. This reduces the grinding operation time drastically.

The Perfetta™ Face Driver is available in three sizes; Small, Medium and Large. With a Driving range starting from .47" (12mm) to 3.55" (90mm) workpiece diameter. The Shank Diameter is available in **Morse Taper size 1-6X** with a (30mm) straight shank.



# Perfetta™ Face Driver Identification System



**PLC** Perfetta™ Live Center  
**FD** Face Driver  
**FDP** Face Driver Prong

## 1-Style

**SS30** — Straight Shank Size 30 X 65  
**MT3** — Morse Taper Size 3  
**MT4** — Morse Taper Size 4  
**MT5** — Morse Taper Size 5  
**MT6** — Morse Taper Size 6

## 3-Size

**PLC-FD**  
**1**

**12**  
**2**

**MT2**  
**3**

**N**  
**4**

**MT-3**  
**5**

## 2-Min. Diameter

**12** — 12in Minimum Diameter  
**22** — 22in Minimum Diameter  
**42** — 42in Minimum Diameter  
**65** — 65in Minimum Diameter

## 5-MT Bushing

**MTB-3** — Morse Taper Bushing Size 3  
**MTB-4** — Morse Taper Bushing Size 4  
**MTB-5** — Morse Taper Bushing Size 5  
**MTB-6** — Morse Taper Bushing Size 6

## 4- Position

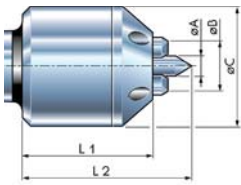
**N** — Neutral Position  
**L** — Left-Hand  
**R** — Right-Hand  
**C** — Center Nose  
**OSC** — Over Size Center Nose



# Perfetta™ Face Driver & Driving Prong

- HIGH PRECISION TURNING
- QUICK LOADING & UNLOADING
- SINGLE SET-UP & OPERATION
- HIGH PRODUCTION ENVIRONMENT
- TURN SHAFTS & SOLID BARS
- TURN BETWEEN CENTERS

## Model 12

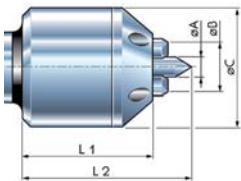


Face Driver									
UPC 733101-	Description	Capacity	A	B	C	L1	L2	Morse Taper	Weight (lb)
48353	PLC-FD-12-SS30	.47 - 1.00	0.32	0.79	0.41	2.32	2.64	30mm	1.98
48354	PLC-FD-12-MT3		0.32	0.79	0.47	2.32	2.64	3	1.98
48355	PLC-FD-12-MT4		0.32	0.79	0.68	2.32	2.64	4	2.64

### Driving Prong

UPC 733101-	Description	UPC 733101-	Description	UPC 733101-	Description	UPC 733101-	Description
48367	PLC-FDP-12-N	48368	PLC-FDP-12-L	48369	PLC-FDP-12-R	48370	PLC-FDP-12-C

## Model 22



Face Driver									
UPC 733101-	Description	Capacity	A	B	C	L1	L2	Morse Taper	Weight (lb)
48356	PLC-FD-22-SS30	.86 - 1.85	0.47	1.18	2.44	2.52	3.39	1.98	3.30
48357	PLC-FD-22-MT3		0.47	1.18	2.44	2.52	3.39	3	3.30
48358	PLC-FD-22-MT4		0.47	1.18	2.44	2.52	3.39	4	5.94
48359	PLC-FD-22-MT5		0.47	1.18	2.44	2.52	3.39	5	8.58

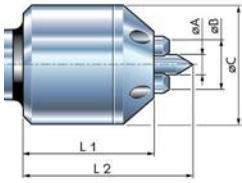
### Driving Prong

UPC 733101-	Description	UPC 733101-	Description	UPC 733101-	Description	UPC 733101-	Description
48371	PLC-FDP-22-N	48372	PLC-FDP-22-L	48373	PLC-FDP-22-R	48374	PLC-FDP-22-C



# Perfetta™ Face Driver & Driving Prong

## Model 42

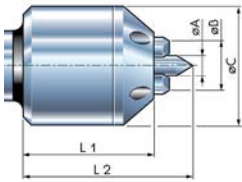


Face Driver									
UPC 733101-	Description	Capacity	A	B	C	L1	L2	Morse Taper	Weight (lb)
48360	PLC-FD-42-MT4	1.58 - 2.760	0.71	1.62	3.43	3.74	4.93	4	9.46
48361	PLC-FD-42-MT5		0.71	1.62	3.43	3.74	4.93	5	11.66
48362	PLC-FD-42-MT6		0.71	1.62	3.43	3.74	4.93	6	17.16

### Driving Prong

UPC 733101-	Description	UPC 733101-	Description	UPC 733101-	Description	UPC 733101-	Description	UPC 733101-	Description
48375	PLC-FDP-42-N	48376	PLC-FDP-42-L	48377	PLC-FDP-42-R	48378	PLC-FDP-42-C	48379	PLC-FDP-42-OSC
 Neutral Driver		 Left-Hand Driver		 Right-Hand Driver		 Center Nose Driver		 Over Size Center Driver	

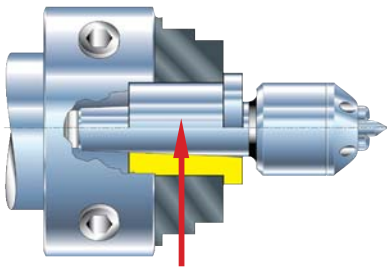
## Model 65



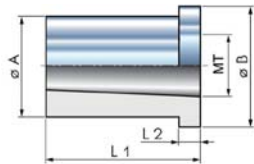
Face Driver									
UPC 733101-	Description	Capacity	A	B	C	L1	L2	Morse Taper	Weight (lb)
48363	PLC-FD-65-MT4	2.25 - 3.55	0.91	2.25	4.29	3.94	5.52	4	15.40
48364	PLC-FD-65-MT5		0.91	2.25	4.29	3.94	5.52	5	15.40
48365	PLC-FD-65-MT6		0.91	2.25	4.29	3.94	5.52	6	15.40

### Driving Prong

UPC 733101-	Description	UPC 733101-	Description	UPC 733101-	Description	UPC 733101-	Description	UPC 733101-	Description
48380	PLC-FDP-65-N	48381	PLC-FDP-65-L	48382	PLC-FDP-65-R	48383	PLC-FDP-65-C	48384	PLC-FDP-65-OSC
 Neutral Driver		 Left-Hand Driver		 Right-Hand Driver		 Center Nose Driver		 Over Size Center Driver	



Morse Taper Bushing for Face



Morse Taper Bushing for Face Driver							
UPC 733101-	Description	A	B	L1	L2	Morse Taper	Weight (lb)
48385	PLC-FD-MTB3	1.38	1.73	2.56	0.32	3	0.07
48386	PLC-FD-MTB4	1.64	1.93	2.76	0.32	4	0.99
48387	PLC-FD-MTB5	2.13	2.32	3.15	0.39	5	1.32
48388	PLC-FD-MTB6	2.96	3.31	3.35	0.39	6	0.65





# Perfetta™ Extra Heavy Duty Bull Nose Live Center

- FOUR BEARINGS
- HIGH ACCURACY
- HIGH SPEEDS
- EXTRA HEAVY DUTY APPLICATION
- LIFE TIME LUBRICATION
- BUILT FOR THE PETROLEUM INDUSTRY

**E**ngineered and built to deliver performance and reliability second to none. **Dorian Tool International** introduces the Perfetta™ Modular Bull Nose Live Center to the American Petroleum Industry.

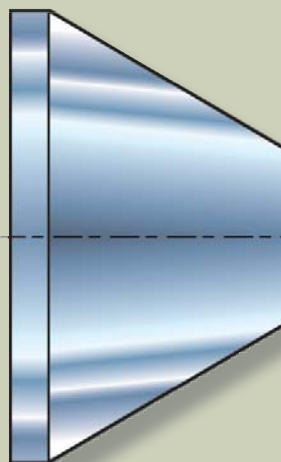
supporting up to 19800.00 lbs. and neutralizes any turning vibration. To protect and extend the life of the tool, the bearings are permanently lubricated with a special light weight oil, and hermetically sealed with a press fit brass shield and a neoprene leap seal.



The Perfetta™ Modular Bull Nose live center is recognized in Europe and the rest of the industrial world for its outstanding performance and has over 50 years of proven use in the harsh Petroleum field's environment.

The Perfetta™ Bull Nose has been engineered with the most precise European workmanship and is held to a very strict quality control process. The tools are manufactured from a Chromium-molybdenum alloy steel, which has been heat-treated to 62 Rc surface hardness and precisely ground to yield high strength and long working life. The bearings used are carefully selected for use in heavy turning applications and the holding of massive parts while giving the ability to sustain a heavy radial and axial thrust load up to 6600.00 lbs. Two precise needle bearings located on the rear of the center shaft, minimize any spindle deflection, maximize the work piece weight

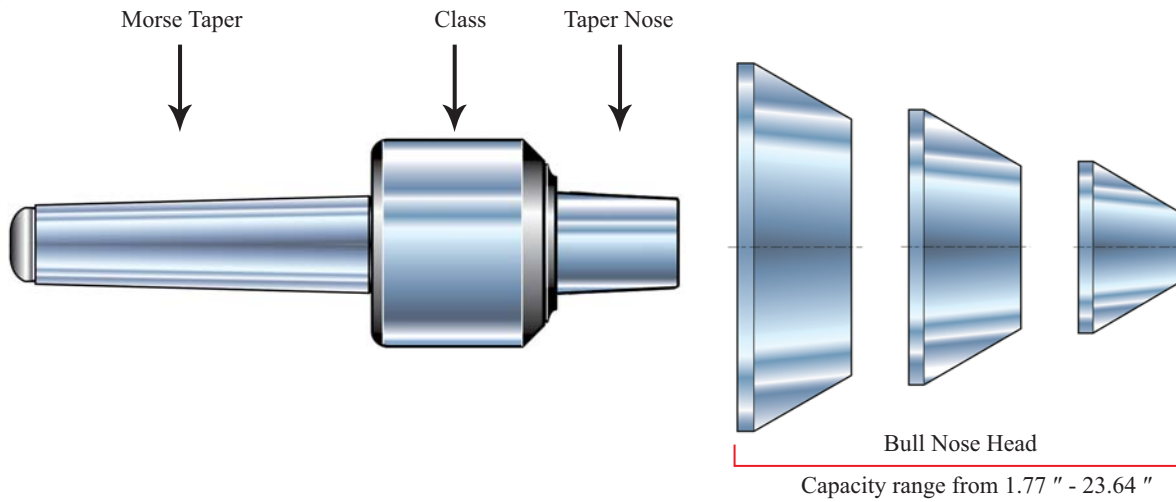
The Perfetta™ Bull Nose is continuously improving to meet the more ever demanding needs of today's industry standards.



The Perfetta™ Modular Bull Nose has a capacity range from 1-7/8 " to 23-5/8 " and are available in 3, 4, 5 and 6 extra heavy duty Morse taper size. The Bull Heads are easily removed from the precision taper nose with an extractor screw to assure that no damage is done to the taper surface of the Bull Nose or Bull Head cavity.



# Perfetta™ Bull Nose Identification System



PLC Perfetta™ Live Center

**1-Style**

MT3 — Morse Taper Size 3  
 MT4 — Morse Taper Size 4  
 MT5 — Morse Taper Size 5  
 MT6 — Morse Taper Size 6

**3-Morse Taper**



**2-Class**

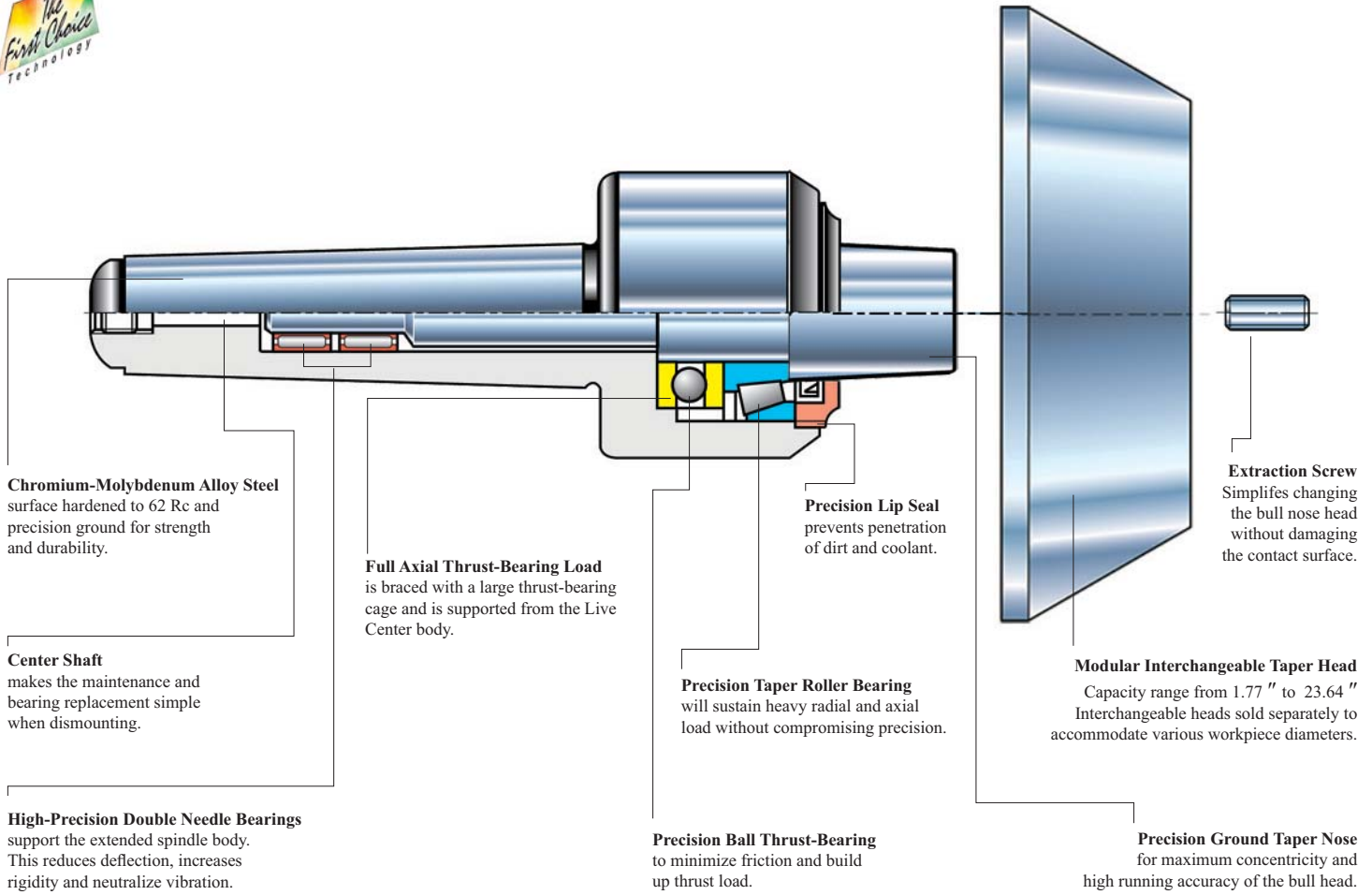
**HDA** — Heavy Duty Application  
**BN** — Bull Nose  
**HA** — Head Adapter

**Capacity Range**

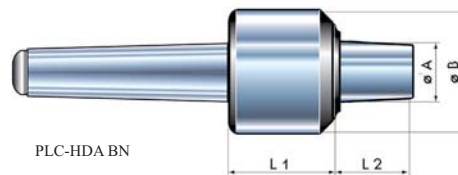
0177-0386	1359-1568
0374-0583	1556-1765
0571-0780	1753-1963
0768-0977	1950-2147
0965-1174	2147-2364
1162-1371	



# Perfetta™ Extra Heavy Duty Bull Nose Live Center



## Extra Heavy Duty Bull Nose Live Center



For Extraction Wrench see page 14, NOT Supplied

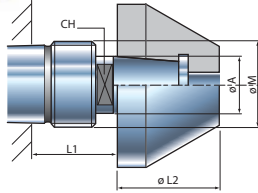
Extra Heavy Duty Bull Nose Live Center		Specifications								
UPC 733101-	Description	A	B	L1	L2	Morse Taper	Max. RPM	Max. Dia. Capacity	Max. workpiece weight (lb)	Thrust load (lb)
48400	PLC-HDA-BN-MT3	1.38	2.17	1.69	1.69	3	6000	5.83	2090	1144
48401	PLC-HDA-BN-MT4	1.38	2.40	2.01	1.69	4	4500	11.74	3300	1320
48402	PLC-HDA-BN-MT5	1.38	3.15	2.32	1.69	5	2800	15.68	4400	2640
48403	PLC-HDA-BN-MT6	1.38	4.26	3.47	1.69	6	2000	23.64	10560	3300
48404	PLC-HDA-BN-MT6X	1.38	5.44	4.57	1.73	6-X	1700	23.64	19800	6600



# Perfetta™ CNC Bull Nose Dead Center & Head Adapter



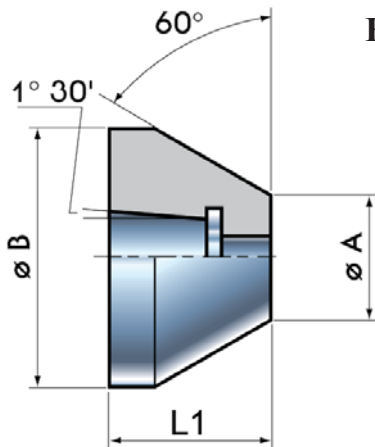
PLC-CNC-BNDC



CNC Bull Nose Dead Center

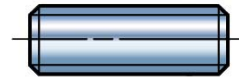
UPC 733101-	Description	A	M Thread	L1	L2	Wrench	Morse Taper	Weight (lb)
48406	PLC-CNC-BNDC-MT3	1.38	41-1.5	1.64	2.29	1.26	3	2.42
48407	PLC-CNC-BNDC-MT4	1.38	41-1.5	1.64	2.29	1.26	4	2.42
48408	PLC-CNC-BNDC-MT5	1.38	48-1.5	1.64	2.29	1.26	5	4.40
48409	PLC-CNC-BNDC-MT6	1.38	68-1.5	1.69	2.29	1.26	6	11.00

See Page 23 for Identification system.



Head Adapters

Extraction Screw



UPC 733101-	Description
48431	PLC-GTS-MT1

Bull Nose Head Adapters

UPC 733101-	48420	48421	48422	48423	48424	48425	48426	48427	48428	48429	48430
Description	PLCBN-HA-0177-0386	PLCBN-HA-0374-0583	PLCBN-HA-0571-0780	PLCBN-HA-0768-0977	PLCBN-HA-0965-1174	PLCBN-HA-1162-1371	PLCBN-HA-1359-1568	PLCBN-HA-1556-1765	PLCBN-HA-1753-1962	PLCBN-HA-1950-2147	PLCBN-HA-2147-2364
A	1.77	3.74	5.71	7.68	9.65	11.62	13.59	15.56	17.53	19.50	21.47
B	3.86	5.83	7.80	9.77	11.74	13.71	15.68	17.65	19.62	21.47	23.64
L1	2.17	2.17	2.17	2.17	2.17	2.17	2.17	2.17	2.17	2.17	2.17
Nose Taper	60°	60°	60°	60°	60°	60°	60°	60°	60°	60°	60°
Max. Adapter Capacity	MT3		MT4			MT5		MT6			
Weight (lb)	3.52	8.58	15.62	23.54	33.00	36.30	44.00	63.80	74.80	70.40	79.20



# Perfetta™ CNC Threaded Dead Centers & Identification System

Built with Tool Steel, Heat Treated and Super Precision Ground for Accuracy, Precision and Durability.

<p>PLC Perfetta™ Live Center</p> <p><b>1-Style</b></p>	<p><b>CNC</b> — Computer Numerical Control</p> <p><b>TDC</b> — Threaded Dead Center</p> <p><b>XTDC</b> — Extended TDC</p> <p><b>ITDC</b> — Interchangeable Tip for TDC</p> <p><b>DCEN</b> — Dead Center Extractor Nut</p> <p><b>MTDC</b> — Morse Taper Dead Center</p> <p><b>HMDC</b> — Half Moon Dead Center</p> <p><b>BNDC</b> — Bull Nose Dead Center</p> <p><b>2-Class</b></p>	<p><b>S</b>—Steel Body     <b>C</b>—Steel Body Carbide Tip</p> <p><b>MT1</b> — Morse Taper Size 1</p> <p><b>MT2</b> — Morse Taper Size 2</p> <p><b>MT3</b> — Morse Taper Size 3</p> <p><b>MT4</b> — Morse Taper Size 4</p> <p><b>MT5</b> — Morse Taper Size 5</p> <p><b>MT6</b> — Morse Taper Size 6</p> <p><b>3-Morse Taper</b></p>
	<p><b>PLC</b></p> <p><b>1</b></p>	<p><b>CNC</b></p> <p><b>2</b></p>

PLC-CNC-TDC

CNC Threaded Dead Center							
UPC 733101-	Description	D	L	M Thread	Morse Taper	CH Wrench Flats	Weight (lb)
48440	PLC-CNC-TDC-MT3	1.10	2.56	36 x 1.5	3	0.87	0.11
48441	PLC-CNC-TDC-MT4	1.26	3.01	36 x 1.5	4	1.06	0.76
48442	PLC-CNC-TDC-MT5	1.50	3.41	48 x 1.5	5	1.26	4.40

PLC-CNC-XTDC

CNC Extended Threaded Dead Center								
UPC 733101-	Description	D	L	M Thread	Morse Taper	CH Wrench Flats	P	Weight (lb)
48443	PLC-CNC-XTDC-MT3	1.10	3.15	36 x 1.5	3	0.87	0.51	0.11
48444	PLC-CNC-XTDC-MT4	1.26	3.64	36 x 1.5	4	1.06	0.51	0.20
48445	PLC-CNC-XTDC-MT5	1.50	4.12	48 x 1.5	5	6.16	0.79	4.40

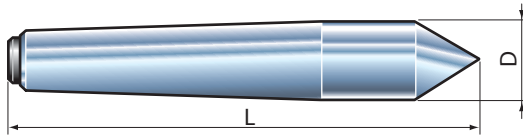
PLC-CNC-ITDC

CNC Interchangeable Tip For Threaded Dead Center							
UPC 733101-	Description	D	L	M Thread	Morse Taper	CH Wrench Flats	Weight (lb)
48446	PLC-CNC-ITDC-MT3	1.10	2.76	36 x 1.5	3	0.87	0.11
48447	PLC-CNC-ITDC-MT4	1.26	2.94	36 x 1.5	4	1.06	0.76
48448	PLC-CNC-ITDC-MT5	1.50	3.13	48 x 1.5	5	1.26	4.40

PLC-CNC-DCEN

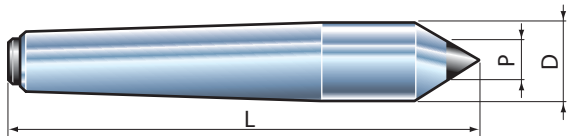
For Extraction Wrench NOT Supplied, see page 14.

CNC Dead Center Extractor Nut					
UPC 733101-	Description	L	M Thread	CH Wrench Flats	Weight (lb)
48449	PLC-CNC-DCEN-36	0.87	36 x 1.5	2.17	0.55
48450	PLC-CNC-DCEN-41	0.87	41 x 1.5	2.17	0.44
48451	PLC-CNC-DCEN-48	0.87	48 x 1.5	2.76	0.77
48452	PLC-CNC-DCEN-68	0.87	68 x 1.5	3.78	1.10



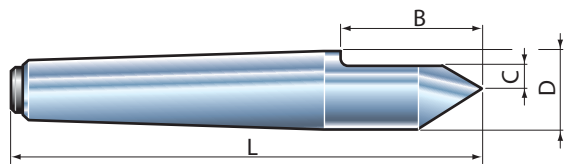
PLC-MTDC-SM

Morse Taper Dead Center					
UPC 733101-	Description	D	L	Morse Taper	Weight (lb)
48453	PLC-MTDC-SMT1	0.48	3.15	1	0.22
48454	PLC-MTDC-SMT2	0.71	3.94	2	0.29
48455	PLC-MTDC-SMT3	0.95	4.93	3	0.88
48456	PLC-MTDC-SMT4	1.25	6.30	4	1.65
48457	PLC-MTDC-SMT5	1.76	7.88	5	4.29
48458	PLC-MTDC-SMT6	2.51	10.64	6	16.06



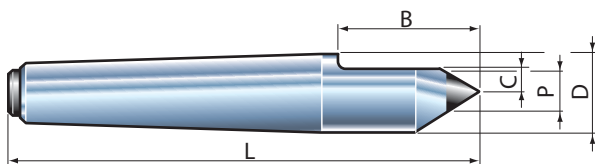
PLC-MTDC-CM

Morse Taper Dead Center Carbide Tip						
UPC 733101-	Description	D	L	Morse Taper	P	Weight (lb)
48459	PLC-MTDC-CMT2	0.71	3.94	2	0.28	0.29
48460	PLC-MTDC-CMT3	0.95	4.93	3	0.43	0.88
48461	PLC-MTDC-CMT4	1.25	6.30	4	0.55	1.65
48462	PLC-MTDC-CMT5	1.76	7.88	5	0.71	4.29
48463	PLC-MTDC-CMT6	2.51	10.64	6	0.79	16.06



PLC-HMDC-SM

Morse Taper Half Moon Dead Center							
UPC 733101-	Description	D	L	Morse Taper	B	C	Weight (lb)
48464	PLC-HMDC-SMT1	0.48	3.15	1	0.87	0.06	0.22
48465	PLC-HMDC-SMT2	0.71	3.94	2	1.18	0.08	0.29
48466	PLC-HMDC-SMT3	0.95	4.93	3	1.50	0.12	0.88
48467	PLC-HMDC-SMT4	1.25	6.30	4	1.97	0.20	1.65
48468	PLC-HMDC-SMT5	1.76	7.88	5	2.48	0.28	4.29
48469	PLC-HMDC-SMT6	2.51	10.64	6	3.11	0.39	16.06



PLC-HMDC-CM

Morse Taper Half Moon Dead Center								
UPC 733101-	Description	D	L	Morse Taper	B	C	P	Weight (lb)
48470	PLC-HMDC-CMT2	0.71	3.94	2	1.18	0.08	0.28	0.29
48471	PLC-HMDC-CMT3	0.95	4.93	3	1.50	0.12	0.43	0.88
48472	PLC-HMDC-CMT4	1.25	6.30	4	1.97	0.20	0.55	1.65
48473	PLC-HMDC-CMT5	1.76	7.88	5	2.48	0.28	0.71	4.29
48474	PLC-HMDC-CMT6	2.51	10.64	6	3.11	0.39	0.79	16.06



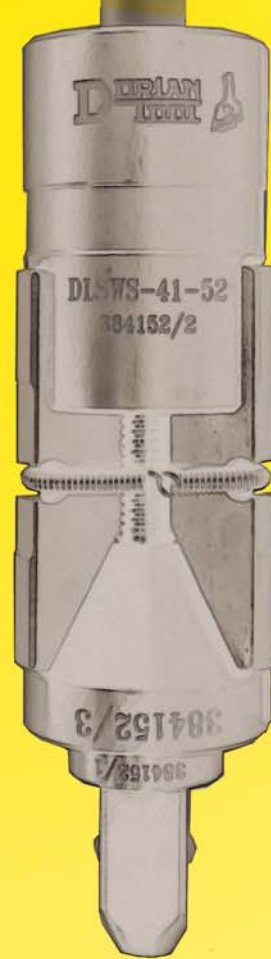


# Reduce

Setup Time, Down Time & Operation Cost

# Maximize

Repeatability, Efficiency & Profitability

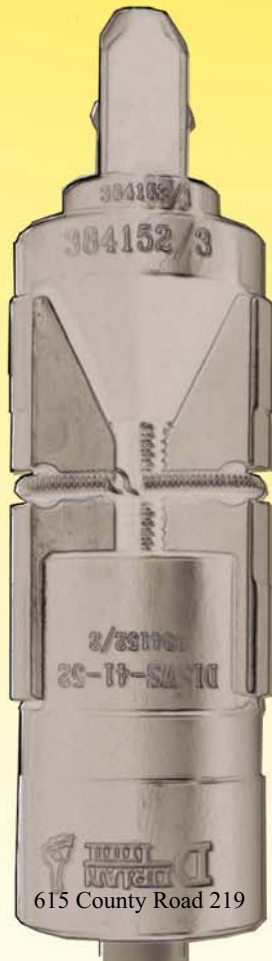


Collet Stop



## CNC Spindle Work-Stop™

Engineered to simplify Jobs set-up and machining operation of the workpiece, by providing a positive stop and assuring a precise repositioning and repeatability, when a workpiece is changed.

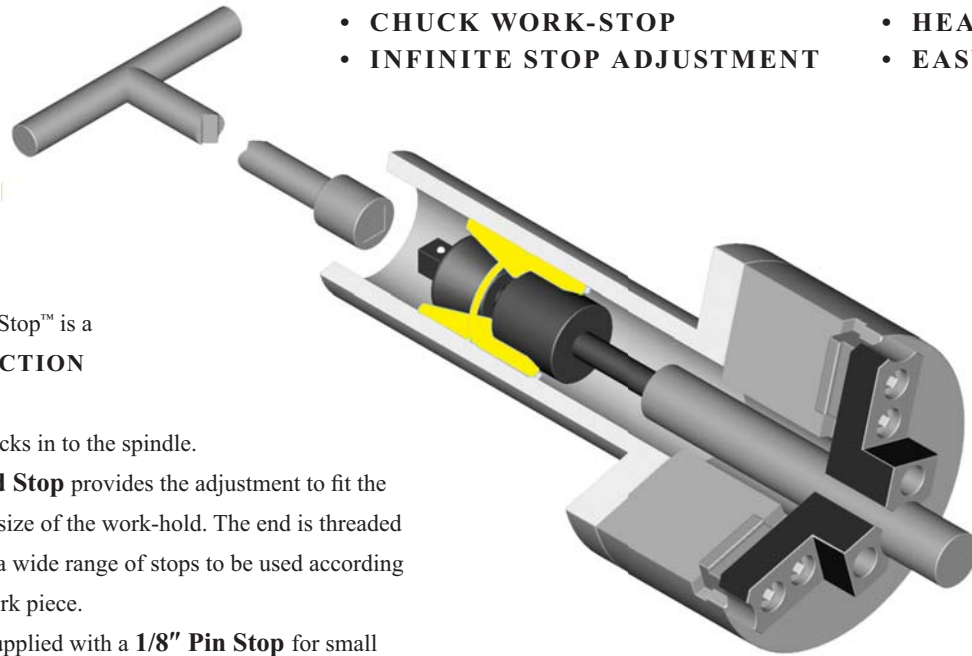


Tubing Stop



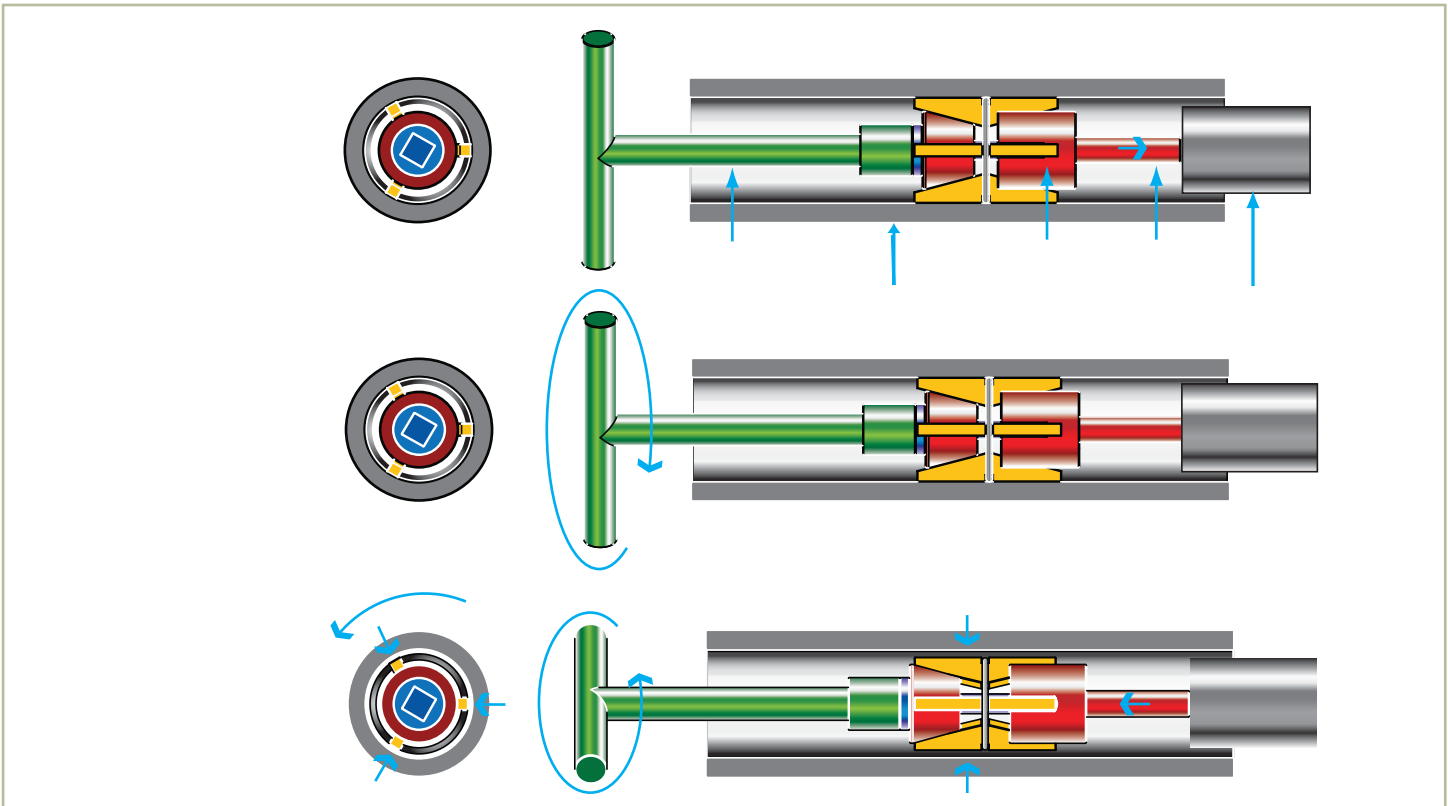
# CNC Spindle Work-Stop™

- COLLET WORK-STOP
- CHUCK WORK-STOP
- INFINITE STOP ADJUSTMENT
- QUICK SETUP
- HEAVY DUTY
- EASY TO OPERATE



The CNC Spindle Work-Stop™ is a **3 PIECE CONSTRUCTION**

1. The **Body** which locks in to the spindle.
2. The extension **Rod Stop** provides the adjustment to fit the length to match the size of the work-hold. The end is threaded allowing the use of a wide range of stops to be used according to the size of the work piece.
3. The Work-Stop is supplied with a **1/8" Pin Stop** for small and called work, and a Flange Stop for large and chuck work.



**How to use;** 1) Place the part that you are making in the jaws of the spindle at the desired location and tighten the jaws. 2) Insert the Work-Stop inside the machine spindle and push until the Rod Stop touches the work piece. 3) Using the lock-

ing snap-on wrench supplied with the unit turn the locking mechanism clockwise until the 3 prongs of the Work Stop move out equally and are forced against the inner spindle's wall. 4) Tighten as desired to ensure that the Work Stop is secure.

**To remove and or re-setup for a new job,** simply unlock the Work Stop by using the locking snap-on the wrench provided with the Work-Stop and repeat the steps above. The CNC Spindle Work Stop, is built for extreme Precision and Rigidity, yet is simple

and easy to use in any Manual Lathe, CNC Turning Center or Rotary Table. The CNC Spindle Work-Stop is available in multiple sizes to cover a wide range of Spindles size ranging from; 3/4" to 5 3/4" Diameters Capacity, with infinite Diameter adjustment.

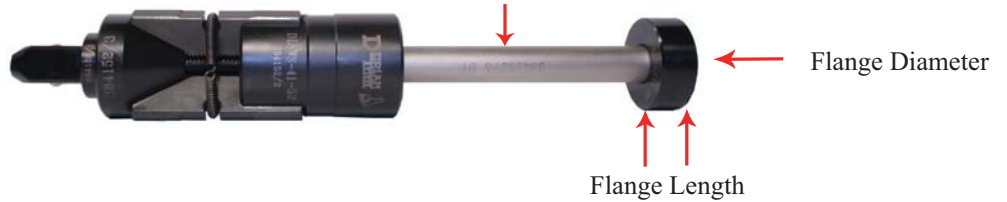


# CNC Spindle Work-Stop™

Collet Stop



Tubing Stop



## For Use in:

- Chucks
- Collets
- Rotary Tables

## Operate with:

- CNC Turning Centers
- CNC Machining Centers
- Manual Machines

## Spindle Range from 3/4" to 5 3/4"


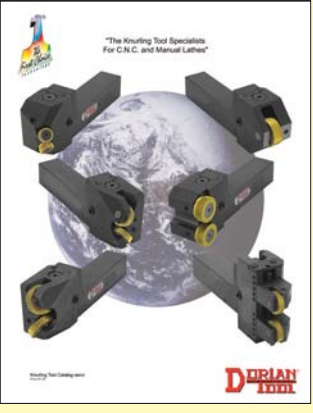
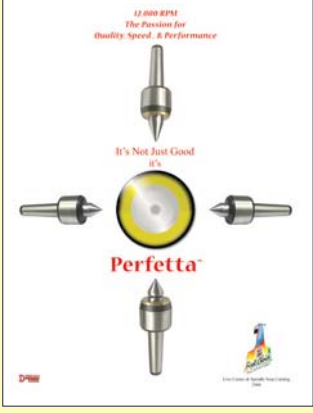
CNC Spindle Work-Stop™						
UPC 733101-	Description	Spindle Bore Range (in.)	Post Diameter	Rod Stop Diameter	Flange Diameter	Flange Length
48050	DLSWS 19-24	3/4" - 15/16"	0.315	0.125	0.591	0.295
48051	DLSWS 24-33	15/16" - 1 5/16"	0.394	0.125	0.787	0.394
48052	DLSWS 32-41	1 1/4" - 1 5/8"	0.394	0.125	0.984	0.492
48053	DLSWS 41-52	1 5/8" - 2 1/16"	0.551	0.125	1.378	0.689
48054	DLSWS 51-62	2" - 2 7/16"	0.551	0.125	1.772	0.886
48055	DLSWS 62-81	2 7/16" - 3 1/4"	0.551	0.125	2.165	1.083
48056	DLSWS 73-93	2 7/8" - 3 11/16"	0.630	0.125	2.638	1.319
48057	DLSWS 93-120	3 11/16" - 4 5/8"	0.630	0.125	3.150	1.575
48058	DLSWS 117-146	4 5/8" - 5 3/4"	0.787	0.125	4.134	2.067



For additional catalogs featuring the full line of any Dorian product  
Contact Your Authorized Dorian Distributor or Dorian Tool Directly.

**2009 Dorian Complete Catalog List and Availability**

<p><b>NEW 2009</b> Turning &amp; Boring Indexable Cutting Tools &amp; Inserts Vol 1. No 2</p> 	<p><b>NEW 2008</b> CNC Adjustable Angle Heads</p> 	<p><b>NEW 2008</b> Jet-Stream Thru Coolant System for Turning, Boring &amp; Threading</p> 	<p><b>NEW 2008</b> Super Quick Change Tool Post with Triple Action Wedge-Lock System</p> 
<p>Currently Available On CD only</p>	<p>Currently Available In Print    On CD</p>	<p>Currently Available In Print    On CD</p>	<p>Currently Available In Print    On CD</p>

<p><b>2007</b> Victory Automatic Thru Coolant Tool Post &amp; CNC Quick Change Gang Tool</p> 	<p><b>2007</b> knurling Tools &amp; Wheels</p> 	<p><b>2006</b> Perfetta Live Centers &amp; Bull Nose</p> 	<p><b>2005</b> MTA Machine Tool Accessories</p> 
<p>Currently Available In Print    On CD</p>	<p>Currently Available Online    In Print    On CD</p>	<p>Currently Available Online    In Print    On CD</p>	<p>Currently Available Online    In Print    On CD</p>

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**Note:** The 2003 Indexable Cutting Tool Catalog is only available in PDF format on line and in a CD. We apologize for any inconvenience this may cause and would like to inform you that we are currently transitioning from the 600 page Indexable catalog into smaller more defined catalogs for our indexable cutting tools.

The NEW 2009 Indexable Cutting Tool Catalog Vol.1 No. 2 (Turning and Boring shown above) is available in PDF format. We can mail you a temporary copy until these are professionally printed. We can also e-mail or fax you specific sections of this catalog if needed.

This 2009 Turning and Boring catalog will be professionally printed for mass distribution in the near future.



# Sales Policy

**Conditions of Sale:** All sales are made in accordance with our standard conditions of sale, current at the time orders are accepted. Specifications and prices are subject to change without notice.

**Terms of Payment:** Standard payment terms for all products is (1% 10 Net 30 days) upon credit approval. Dorian reserves the right to hold shipments or to ship on a C.O.D. basis, any orders received from any purchaser whose account is delinquent. Invoices not paid timely are subject to 1.5% interest per month, not to exceed 18%. However, purchasers who default on terms agreed upon, Dorian reserves the right to add collection and/or attorney fees to the total amount of the invoice or total amount of all invoices. No order will be processed if any invoices are over 45 days old. All taxes, duties, or other expenses arising out of, or in connection with the sale of product shall be the sole liability of purchaser.

**No Minimum Order:** There will be a \$5.00 handling fee for orders drop shipped with a value under \$50.00 net.

**Delivery Terms: F.O.B.** East Bernard, Texas. All shipments are made by regular UPS, Parcel Post, or truck. Full transportation costs will be charged to the buyer. Specify shipment to be made by other than regular means of transportation.

**Defective Product Claim:** If within 30 days from shipping date, customer claims that product is defective and requires an immediate replacement, a distributor can issue a purchase order for a new product and return the defective product to Dorian for inspection. Upon inspection, if the product is found to be defective a credit will be issued for the replacement. If the product is not found to be defective, an invoice will be issued for the replacement. Freight to and from Dorian will be at the customer's expense.

**Claims:** Any claim discrepancies in shipments are to be made within 7 days of receipt of merchandise. Any in transit claim for damaged and lost goods must be made against the transportation company only. The foregoing shall constitute the sole and exclusive remedies of the customer and are in lieu of all other warranties, expressed, implied, or statutory, including but not limited to any implied warranty of merchantability or fitness.

**Satisfaction Guaranteed:** If you are not fully satisfied with a Dorian product, simply return it within 30 days of shipping date and you will receive full CREDIT if the merchandise is received in resalable condition.

**Product Limited Warranty:** Dorian extends to the purchaser for resale, use in their own business, or original equipment manufacturing, a limited warranty, that products made by DORIAN will be free from any defects in material and workmanship for one year after the date of purchase when used under normal intended applications. No other guarantee is made by this policy, nor does it apply to any product which has been altered, misused, or used in applications other than its normal intended use. Request for a Return Goods Authorization (RGA) number from Dorian and return freight pre-paid to Dorian any part or product which is determined by Dorian to be defective in material or workmanship will be repaired or replaced at Dorian's option.

**Special Product Quotations:** All special product quotations are valid for thirty days from the date of quotation unless otherwise specified. Orders for special products must be confirmed in writing before manufacturing can begin, along with payment for 50% of the quoted price, with the remaining 50% to be paid upon delivery of the special products. Special products and non-stock standard products cannot be canceled or returned for exchange or credit.

**Cancellations:** Customer may not cancel or modify any purchase order once a purchase order has been expressly accepted by Dorian, unless (a) customer has given Dorian reasonable notice to stop work, (b) customer pays for all work -in-progress and any raw materials or supplies used or consumed by Dorian in connection with the order, at the time work is stopped (or for which commitments have been made by Dorian at such time) in connection with the order (c) customer pays all costs and expenses otherwise incurred by Dorian in connection with the order, and (d) customer pays a cancellation charge of fifteen percent (15%) of the initial quoted price.

**Returns:** Return undamaged product within 30 days of the ship date, if the merchandise is received in resalable condition you will receive full CREDIT on your account,- Product(s) returned after 30 days but prior to 90 days after the ship date is subject to a 20% restocking fee.- Unless otherwise specified, no material will be accepted for returned after 90 days of the ship date.- If the Distributor or End User, within 30 days of the ship date, claims a product is defective and needs immediate replacement, the customer must place a new order, and a RMA number will be issued for the defective product. The Distributor will be advised upon completion of inspection if credit will be issued.- Any product returned for repair, under warranty or warranty expired, will not be accepted without a RMA number.- Customer will be advised of any charges before repairs are made.- All returns must be authorized by Dorian Tool with a official RMA number.- Dorian Tool does not constitute acceptance of the product when a RMA number is issued.- The RMA number must be visible on the outside of the box and a copy of the RMA form must be placed inside the original box along with the returned product.- Any package received without an official RMA number visible on the outside of the box will be refused and returned to the sender at their expense.- The customer is responsible for the freight to and from Dorian Tool.- NO PRODUCT WILL BE ACCEPTED FOR RETURN WHEN RECEIVED IN NON-RESALABLE CONDITION. This includes, but is not limited to: damaged packages, non Dorian labels and marking, missing parts, cosmetic damages, used and/or obsolete product(s).- Quality Control must inspect and accept product before credit will be issued.- RMAs are processed daily by RMA Service Center at X 260.- RMA numbers are valid for 30 days from the date is issued. All product(s) requested for return must be received by Dorian Tool within 30 days of the RMA date.- In the event the RMA is denied, the customer has 30 days from the date of notification to respond with shipping instructions for their product. If shipping instructions are not provided by the customer within 30 days from the RMA denial notification, the product will be disposed at the customers expense.- By writing the RMA number on the outside of the box and shipping product to Dorian against this number constitutes acceptance of Dorian's terms and conditions.

**Condition, terms, price and specifications are subject to change without notice.  
Any typographical error in any printing matter is subject to correction.**



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