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From : BENZI - Sales Team

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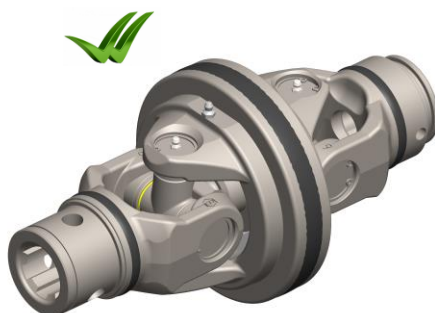
## NEW – CV WIDEANGLE RANGE – product update







Dear customers ,

We are glad to Inform you that we finalized an important product update which starting from the month of June 2015 will involve the whole range of CV wide -angle shafts currently in production: in the coming months several improvements and changes will gradually be introduced involving both the mechanical components as well as the safety guards. The product update for the whole range is schedule for completion by September 2015. Please see below a summary of all the changes that will take place within the CV wide-angle range :

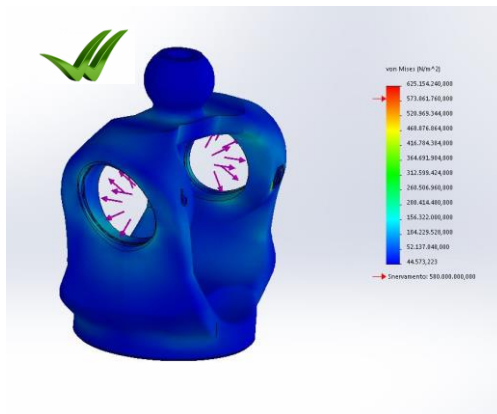
1. **COMPLETE JOINTS:** The wide-angle joint has been re-designed in order to optimize the overall dimension ,minimize vibrations in working conditions and ultimately facilitate its maintenance.







### CV Wide-angles models involved :

<b>W23/W27</b>	
<b>W40/W42 ; W46/W48</b>	
<b>W50/W52 ; W55/W57</b>	
<b>W60/W62 ; W65/W67</b>	

2. **END YOKES** : The traditional welded bridge end yoke will be replaced by a new re-designed single forging that includes the bridge and the yoke as a whole piece; the welding has been re-positioned on the hub of the yoke : this new design , together with a new steel material composition ,actually allows the product to have up to 40% increase on the tensile strength.

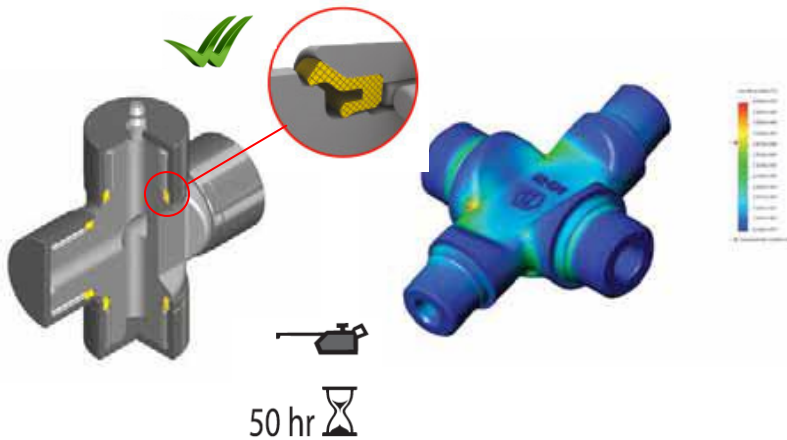


CV Wide-angles models involved :





<b>W23/W27</b>	
<b>W40/W42 ; W46/W48</b>	
<b>W50/W52 ; W55/W57</b>	
<b>W60/W62 ; W65/W67</b>	



3. **UNIVERSAL JOINT**: The cross forging has been re-designed by increasing all contact surfaces to allow up to 40% increase on the tensile strength. The bearing seals along with the needles/bearing/cross hub contact surfaces have also been re-designed to allow longer lubrication intervals which , depending on the application involved , can reach up to **50 hrs**. The new cross & bearing kits are easily recognizable by the increased forging size as well as by the distinctive yellow color used for the seals ( the color of the traditional seals is instead blue).





CV Wide-angles models involved :

<b>W23/W27</b>	
<b>W40/W42 ; W46/W48</b>	
<b>W50/W52 ; W55/W57</b>	
<b>W60/W62 ; W65/W67</b>	

4. **STEEL COLLAR ON THE END YOKES:** All CV wide-angle drive shafts with a dynamic capacity equal or higher than 60HP will feature the steel collar version in place of the plastic one on the end yokes. Of course the steel collar can be mounted also on the other CV models as optional upon request : the steel collar KIT has been designed in fact to be interchangeable with the traditional plastic collar kit.



CV Wide-angles models involved :

<b>W50/W52 ; W55/W57</b>	
<b>W60/W62 ; W65/W67</b>	

5. **TUBING LUBRICATION & ANTI-VIBRATING SLEEVE:** All CV drive shafts equal or longer than 1510 mm c/c and with dynamic capacity equal or higher than 60HP, will feature the anti-vibrating sleeve on the tubing , designed to remove any shield vibration during work at maximum extended position; In addition to that grease nipple will be installed on the tubing to allow an easier lubrication of the telescoping members .Of course both of these

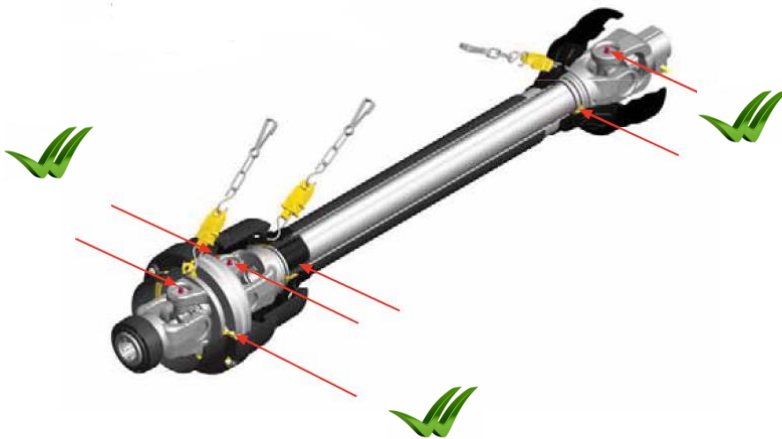
devices can be made available (upon request ) on all CV shafts lengths and for all CV shafts models in production.



CV Wide-angles models involved :

<b>W55/W57</b>	✓
<b>W65/W67</b>	✓

6. **EASY LUBRICATION:** All the greasing points have been re-located to facilitate the maintenance & lubrication operations which can actually be performed without dismantling the safety guard.



CV Wide-angles models involved :

<b>W50/W52 ; W55/W57</b>	✓
<b>W60/W62 ; W65/W67</b>	✓

7. **RETAINERS :** The safety guard's retainers have been geometrically optimized and together with the use of new materials their life-span in working conditions has been increased: depending on the application involved , they can reach up to **50 hrs** . The new retainers are easily recognizable by the distinctive yellow color. ( the color of the traditional retainers is instead black).







CV Wide-angles models involved :

<b>W23/W27</b>	✓
<b>W40/W42 ; W46/W48</b>	✓
<b>W50/W52 ; W55/W57</b>	✓
<b>W60/W62 ; W65/W67</b>	✓

8. **PRE-SET DESENGAGEMENT SYSTEM:** The new CV wide-angle range features the innovative pre-set disengagement system designed to allow the re-usage of the safety chain in the case of disengagement in working conditions. This device is a BENZI & DI TERLIZZI patent


**CV Wide-angles models involved :**

<b>W23/W27</b>	
<b>W40/W42 ; W46/W48</b>	
<b>W50/W52 ; W55/W57</b>	
<b>W60/W62 ; W65/W67</b>	

**INTERCHANGEABILITY VS TRADITIONAL RANGE:** all the listed changes and updates on the products do not compromise the interchangeability of the spare parts with the traditional CV wide-angle range: the components of the new CV wide-angle shafts are in fact completely interchangeable with the traditional ones.

**FURTHER PRODUCT UPDATES:** During 2016 in order to complete the technical update of our CV wide-angle shafts range additional changes are scheduled : among the forthcoming updates we anticipate that the most relevant one will be a **WHOLE NEW MODEL** of CV wide-angle shaft with dynamic capacity higher than 120 HP. **Stay tuned!**

**BENZI & DI TERLIZZI - Sales team**