

FB – No. 64d_gb	Quality management Form	SCHUNK 
Revision status: 04	Check list, special expansion clamping technology	Page 1 of 5

Filling out of AD / INTECs

In-house staff TV			AREA SALESMAN / INTEC		
Contact person	Select here ... (when available)		Name AD / INTEC		
Telephone			Telephone / Cell.		
Customer specifications					
Customer name / number					
Project					
Contact persons					
Telephone			E-mail		
Request overview					
Offer date	Choose date		☐ Info to field staff / Intec before forwarding to customer		
Order probability	0% ☐ 25% ☐ 50% ☐ 75% ☐ 100% ☐		☐ Copy of quotation to: _____		
The customer wants an offer by...	☐ Fax	☐ E-mail	☐ Personal	☐ With drawing	☐ Without drawing
☐ Repeat order(s)	Part number	Quantity		For repeat orders: further processing on page 4 by the in-house staff	
	Part number	Quantity			
	Part number	Quantity			
	Part number	Quantity			
☐ New order					
End customer			Country	(in case not Germany)	
Desired offer date	Choose date		Quantity scale		
Offer tracking by			Decision date	Choose date	
Project status at customer	☐ Request	☐ Order	Decision by	_____	
Budget for SCHUNK portion	Estimated budget: €		Target price: €		
Potential for repeat orders / potential for standardization	☐ high	☐ not much	☐ Singular demand		
Documents from customer	☐ Sample	☐ Drawing	☐ Miscellaneous:		
☐ Solution of competitor in place _____			☐ Also inquired at competitor _____		
Appendices					
☐ Check list ☐ Sketch of workpiece ☐ Workpiece(s) ☐ Drawing / design of the arbor/chuck (highlights to be colored, see page 2) ☐ Rough part drawing ☐ Finished part drawing ☐ Photos ☐ Miscellaneous Only special hydraulic expansion: ☐ Drawing of spindle head / coupling flange ☐ Drawing / data sheet of the lifting or clamping cylinder Comments about the appendices:					
Main customer expectations (short setup times, long life time, special documents...), Description of the application (approaches for solving):					

FB – No. 64d_gb	Quality management Form	
Revision status: 04	Check list, special expansion clamping technology	Page 2 of 5

1. Workpiece or tool to be clamped:				
Tool or workpiece $\varnothing$ and tolerance:		_____ mm		
Workpiece length at the clamp $\varnothing$ Ls:		_____ mm		
Required true running accuracy at the clamping tool:		_____ mm		
Axial run-out precision of the stop face for the clamping diameter:		_____ mm		
Material:	_____	Should further data be needed, please use the free-text field on page 1.		
Please always include a drawing of the workpiece or tool to be clamped. In the workpiece drawing, please mark Clamping area = red Stop position = green Position to be machined/measured = blue Machining free spaces (rotary chisel, grinding wheels etc.) / interfering contour = orange				
2. Workpiece machining/application:				
Select here ...		Miscellaneous: _____		
Workpiece / feed of workpieces:	☐ Manual ☐ Automatic	☐ Ball insertion ☐ Clearance _____ mm	Temperature: _____	°C
Is there any additional, separate workpiece clamping? How (for example: counter-support, claws)? _____				
3. Mount of the clamping tool (Please include a spindle head drawing or sketch of the flange with dimensions.):				
Insertion position of the expansion tool: ☐ horizontal ☐ vertical ☐ over head				
Machine designation / type _____				
☐ between centers ☐ flying ☐ Reishauer ball $\varnothing$ 30 ☐ Reishauer ball $\varnothing$ 65				
☐ Conical ☐ Morse taper Size: Select here ... DIN _____ ☐ Taper Size: Select here ... DIN _____ Coolant supply shape: Select here ... ☐ Short taper Size: Select here ... DIN _____ ☐ Capto Size: Select here ... DIN _____ ☐ HSK Size: Select here ... DIN _____ Shape: Select here ... ☐ Gripper groove ☐ Groove ☐ Index notch ☐ CAT Size: Select here ... DIN _____ ☐ JIS (BT) Size: Select here ... DIN _____ ☐ ABS (H) Size: Select here ... DIN _____ ☐ Deviation to the standard: _____ ☐ Other mount Type: _____ DIN _____ Suitable in the available quick-change chuck (SCHUNK or also other suppliers): _____				
☐ Flange mounting with mounting strip $\varnothing$ _____ mm and mounting bores $\varnothing$ _____ mm ☐ Cylindrical mount $\varnothing$ _____ mm				

FB – No. 64d_gb	Quality management Form	SCHUNK 
Revision status: 04	Check list, special expansion clamping technology	Page 3 of 5

4. Clamping actuation:				
☐ Manually actuated		☐ Screwdriver actuated		Actuation moment in Nm: min. _____ max. _____ Stroke in mm: max. _____
☐ Force actuated ☐ On block ☐ Float position ☐ Cable actuated ☐ Pressure actuated ☐ Pre-loaded via spring Force: min. _____ N max. _____ N Pressure: min. _____ bar max. _____ bar Can be set to acting piston surface _____ mm ² (acting piston Ø _____ mm) Stroke: min. _____ mm max. _____ mm				
☐ Direct actuation Pressure: min. _____ bar max. _____ bar ☐ adjustable The clamping force is actuated ☐ axial ☐ Workpiece side / ☐ Opposing side (Attach sketch / drawing): ☐ axial off-center ☐ Workpiece side / ☐ Opposing side ☐ radial ☐ tangential				
☐ Adjusting piston			☐ Pump	
☐ Actuating time _____ seconds		☐ Cycle time _____ seconds		☐ Two layers (shift) ☐ Three layers (shift)
5. Hardness specifications:				
☐ Hardness in general 52-54 HRC		☐ HSS centers 56-58 HRC		
☐ Hard coating at clamping Ø		☐ 60 HRC ☐ 70 HRC		☐ Against wear ☐ For increasing torque
Hardness / coating process:		Select here ...		
6. Balancing:				
Balanced G:	_____	☐ static	☐ without workpiece	Perm. residual imbalance: _____ g/mm
Nominal speed:	_____ rpm	☐ dynamic	☐ with workpiece	☐ Workpiece available
7. Other requirements:				
Other specifications (coolant, etc.)	_____			
Marking	☐ SCHUNK Standard ☐ Customer request (equipment no.) _____			
Documentation	☐ SCHUNK Standard ☐ Customer request _____			
Storage box	☐ Yes			

To be filled out UP TO HERE by area salesman / SCHUNK Intec!

FB – No. 64d_gb	Quality management Form	
Revision status: 04	Check list, special expansion clamping technology	Page 4 of 5

VERKAUF	Sachbearbeiter AAW:	Hier auswählen ...
Datei-Format Zeichnungs-Versand	Mail-Adresse (falls abweichend von Seite 1): _____ ☐ pdf ☐ dxf ☐ tif ☐ step 3-D-Modell ☐ sonstiges: _____	
Hinweise für die Arbeitsvorbereitung	☐ Prüfprotokoll für Maße _____ ☐ Bei Ausstrahlung _____	☐ Prüfmittel beantragt; Nr.: _____ ☐ Verpackung in Holzkiste _____

Zeichnung		
☐ Deutsch ☐ Englisch ☐ Andere:	☐ Beschriftung muss auf G-Zeichnung ☐ Step-Datei vom Werkstück angefordert	☐ Kundenrichtlinien aus AS400 beigelegt ☐ nach Kundenwunsch, Dokumentation

Konstruktionszeit		
☐ Nachbestellung 60 Min.	☐ Einfache Dorne/Futter 420 Min.	☐ Konstruktionszeit: _____

Nr	Teile-Nr.	Bedienungsanleitung...		Zeichnung...			FB64w 1-2-3	1. Versand GZ am / durch
		Standard BA 0289008	BA-teilespez. (Nr. eintragen)	Gen.	Info	N.Stand		
1	_____	☐	_____	☐	☐	☐	☐	/
2	_____	☐	_____	☐	☐	☐	☐	2. Versand GZ am / durch
3	_____	☐	_____	☐	☐	☐	☐	/
4	_____	☐	_____	☐	☐	☐	☐	3. Versand GZ am / durch
5	_____	☐	_____	☐	☐	☐	☐	/
6	_____	☐	_____	☐	☐	☐	☐	☐ Anlage FB 64w-5 ab 6 Positionen

Beschriftung und technische Anforderungen			
☐ K.Nr.... ☐ T.Nr. ☐ Neutral	☐ SCHUNK Logo ☐ Kunden-Logo _____ ☐ Nachstellschraube ☐ Dosierschraube	Kundenwunsch-Nr. _____ Fortlfd. Nr. _____ Werkstück.Ø _____ mm	☐ Betätigungskraft F _____ kN ☐ Zugkraft F _____ kN ☐ Druck P _____ bar
☐ gelötet	☐ Nickel	☐ Kupfer	☐ rostfrei
☐ O-Ring	☐ verstiftet	☐ verschraubt	☐ Plananlage segmentiert
☐ mit ZWB	☐ gesichert		☐ Stauluftbohrung
☐ 0,5 % Dehnrate (1.2709)	☐ 0,9 % Dehnrate (Kunststoff)		☐ Rille im Spann-Ø

Bei Konstruktion zu beachten:

Hinweise/Risiken/spezielle Kundenanforderungen (auf G-Zeichnung):

Top-Projekte – technisch herausragend / hohes Duplizierungspotential			
Anwendung	_____		
Kundennutzen	_____		
Funktion	_____		
Einsatzgebiete	_____		
Referenzkunde	☐ Veröffentlichg. (Kunde geheim)	☐ Veröffentlichg. (Kunde öffentlich)	☐ Testimonial ☐ Fachbericht

FB – No. 64d_gb	Quality management Form	
Revision status: 04	Check list, special expansion clamping technology	Page 5 of 5

Foto	☐ Komplettmontage	☐ Einzelbauteil	☐ G-Zeichnung
KONSTRUKTION	Bearbeiter:	Eingangsdatum:	
G-Zeichnung zurück	☐ ohne Änderung	☐ mit Änderung _____	☐ Satz detailliert und kontrolliert
Dokumentation erstellen (MRL 2006 / 42 / EG)			
☐ Risikoanalyse	☐ Einbauerklärung	☐ Betriebsanleitung inkl. Info an Technische Doku weitergegeben	☐ CE-Dokumentation _____
ARBEITSVORBEREITUNG	Bearbeiter:	Eingangsdatum:	
☐ Auftrag nach AV zurück in Konstruktion	Name	In Fertigung gegeben	
☐ Material	bestellt :	bei: _____	am :
☐ Kaufteile	bestellt :	bei: _____	erl.:
☐ Betriebsmittel	bestellt :	bei: _____	
LEGENDE / NOTIZEN			
Datum/Kurzzeichen			

