

Overview – finding the right fastener fast

Configuration	Application	Product						
Right-angled profile connections								
	Extremely rapid and repositionable profile connections with no machining	Automatic-Fastening Sets						
	High-strength and repositionable screw connections with minimal assembly requirements	Universal-Fastening Sets						
	Cost-effective and fixed connection	Standard-Fastening Sets						
	Flexible and rapid construction of frames for panel elements	Central-Fastening Sets						
	Rapid profile connection with simple angle adjustment system	Click-Fastening Set 90°						
	Right-angled profile connections at any angle of rotation	Direct-Fastening Set 90°						
	Extra hold for load-bearing support profiles without additional profile machining	Angle Bracket Zn						
	Simple connection of three profiles to form one corner unit	Corner Fastening Sets						
Connections at va	rious angles							
^	Construction of load-carrying latticework and supporting struts at a 45° angle	Angle Elements						
	Construction of fixable tool rails or load-carrying hinges	Hinges, heavy-duty						
	Permanent swivel capability and secure connection	Ball-Bearing Hinge						
"	Easily adjustable fastening for lightweight attachments	Ball joint						
	Movable profile connections at any angle	Mitre-Fastening Sets						
Cross-profile conr	nections							
	Power-lock connection between profiles that cross	Direct-Fastening Sets						
	Rapid fixing of struts at any (variable) position with minimal assembly requirements	Click-Fastening Sets						
	Cost-effective angled fixing	Face Fastening Set						
Ψ	Secure and fixed connection between profiles that cross	Angle Clamp Brackets						
	Shelves with high load-carrying capacity and extremely easy-to-use angle adjustment system	Angle Locking Bracket						
Butt fasteners for	extending lengths							
	High load-carrying capacity with average machining requirements	Universal-Butt-Fastening Sets						
	Medium load-carrying capacity with no profile machining	Automatic Butt-Fastening Sets						
	Fastening mitre-cut profiles to frames	Mitre-Butt-Fastening Sets						
Parallel fasteners	for adjoining profiles							
	Gap-free assembly with moderate profile machining	Central-Fastening Sets						
	Partition assembly with small gaps and no profile machining	Parallel-Fastening Sets						
	Strong, continuous struts for profile constructions with exceptional load-carrying capacity	Connecting Profiles						



Technical Data – Fastening technology

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				↓ F	M _T			Can be retrofit- ted to existing constructions
	Applica	ation options	Line	Displacement force	Torsional moment *	Bending moment *	Profile machining	
Automatic-Fastening Sets								
			5 6 8 10 12	++	++	++	No	Yes
Universal-Fastening Sets								
			5 6 8 10 12	++	++	++	Yes 1 stepped bore each	Yes
Standard-Fastening Sets				1				
			5 6 8 10 12	++	+	+	Yes 1 bore 1 threaded bore	No
Central-Fastening Set								
			8	0	O	0	Yes 2 stepped bores	Yes
Click-Fastening Set 90°				, ,			1	
(o)			8	0	-	-	1 threaded bore	Yes
Direct-Fastening Set 90°								
			8	0	0	O	1 threaded bore	No

[•] Fixed Movable (linear)

Twistable (axial) Selectable angle ++ Excellent + Good o Sometimes recommended - Not recommended

^{*} Dependent on line and profile design



	Applicati	on options	Line	Displacement force	Torsional moment *	Bending moment *	Profile machining	Can be retrofit- ted to existing constructions
Angle Bracket Zn			5 6 8 12	++	++	++	Profile machining not necessary	Yes
Angle Bracket V Zn			-					
Angre bracket v Zii			5 6 8	+	+	+	No	Yes
Angle Bracket Al and St								
			8 12	++	++	++	No	Yes
Corner Fastening Sets								
			5 6 8	++	O	0	Yes 3 threaded bores	
Angle Elements			C	++			l No	Voo
	45.		6 8	**	+	+	No	Yes
Hinges, heavy-duty				1	ı			
	0-180°	90-180°	5 6 8	+	-		No	Yes

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Dall Daniar Hines	Application options	Line	Displacement force	Torsional moment *	Bending moment *	Profile machining	Can be retrofit- ted to existing constructions
Ball-Bearing Hinge	0-1800	8	+	0		No	Yes
Ball joints	0.180°	8	+	-	-	No	Yes
Mitre-Fastening Sets	30_150°	6 8	0	-	0	Yes	Yes
Direct-Fastening Set	360°	8	-	-	0	No	Yes
Click-Fastening Set	360°	8	0	-	0	No	Yes
Angle Hinge Brackets, Angle C	Clamp Brackets	5 6 8	+	+	+	No	Yes

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	Application options	Line	Displacement force	Torsional moment *	Bending moment *	Profile machining	Can be retrofit- ted to existing constructions
Angle Locking Bracket 8 80x40	360°	8	+	+	+	No	Yes
Automatic Butt-Fastening Sets		5 6 8 12	+	+	0	No	Yes
Mitre-Butt-Fastening Sets	60-120°	6 8	0	0	0	Yes	No
Parallel Fastener 8		8	0	-	-	No	Yes
Connecting Profiles		8	++	++	++	No	Yes
Pin Elements	Ψ.	8 10 12	++	++	++	Yes	No Yes No

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