



Magnetic Resonance Imaging (MRI) Safety Information for DePuy Synthes Shoulder Prosthesis Implants

Magnetic Resonance Imaging (MRI) is a commonly accepted and widely used medical procedure. The risks of exposure to magnetic resonance (MR) include heating and/or displacement of a metallic implant. Image artefacts including dead zones and distortion may occur, especially in the immediate area around the implant, requiring optimization of imaging parameters. DePuy Synthes Shoulder Prosthesis implants are made of metals and polymers. The DePuy Synthes Shoulder Prosthesis System implants currently available have been evaluated per non-clinical testing and can be safely scanned in an MR system under the conditions described below.

The evaluated DePuy Synthes Shoulder Prosthesis implants are found in **Appendix 1**. Should you require more information about MRI compatibility please submit a Medical Information Request (MIR) via the dedicated portal <http://www.jjmedir.com>.

MRI SAFETY INFORMATION

Non-clinical testing has demonstrated the DePuy Synthes Shoulder Prosthesis is MR Conditional. A patient with this device can be safely scanned in an MR system meeting the following conditions:

- Static magnetic field of 1.5 T or 3.0 T
- Maximum spatial field gradient of 1900 gauss/cm (19 T/m)
- Maximum MR system reported, whole body averaged specific absorption rate (SAR) of 2 W/kg (Normal Operating Mode)

Under the scan conditions defined above, the DePuy Synthes Shoulder Prosthesis is expected to produce a maximum temperature rise of 4.1°C (1.5 T and 3.0 T) after 15 minutes of continuous scanning.

In non-clinical testing, the image artifact caused by the device extends approximately 92.2mm from the DePuy Synthes Shoulder Prosthesis when imaged with a gradient echo pulse sequence and a 3.0 T MRI system.

Reference: DePuy Synthes. Shoulder Reconstruction Platform MRI Test Report #103517088 Rev 4. 12 November 2020

Appendix 1: Product Codes

GLOBAL UNITE™ SHOULDER SYSTEM

1100-06-100	GLOBAL UNITE STD STEM SZ 6	1100-44-610	GLOBAL UNITE HEAD 44X18 ECC
1100-08-100	GLOBAL UNITE STD STEM SZ 8	1100-44-620	GLOBAL UNITE HEAD 44X21 ECC
1100-10-100	GLOBAL UNITE STD STEM SZ 10	1100-48-600	GLOBAL UNITE HEAD 48X15 ECC
1100-12-100	GLOBAL UNITE STD STEM SZ 12	1100-48-610	GLOBAL UNITE HEAD 48X18 ECC
1100-14-100	GLOBAL UNITE STD STEM SZ 14	1100-48-620	GLOBAL UNITE HEAD 48X21 ECC
1100-16-100	GLOBAL UNITE STD STEM SZ 16	1100-52-600	GLOBAL UNITE HEAD 52X15 ECC
1100-06-600	GLOBAL UNITE REV STEM SZ 6	1100-52-610	GLOBAL UNITE HEAD 52X18 ECC
1100-08-600	GLOBAL UNITE REV STEM SZ 8	1100-52-620	GLOBAL UNITE HEAD 52X21 ECC
1100-10-600	GLOBAL UNITE REV STEM SZ 10	1100-56-610	GLOBAL UNITE HEAD 56X18 ECC
1100-12-600	GLOBAL UNITE REV STEM SZ 12	1100-56-620	GLOBAL UNITE HEAD 56X21 ECC
1100-30-100	GLOBAL UNITE BODY SZ 10 -5	1100-20-100	GLOBAL UNITE COLLAR SZ 40
1100-30-110	GLOBAL UNITE BODY SZ 10 0	1100-20-200	GLOBAL UNITE COLLAR SZ 44
1100-30-120	GLOBAL UNITE BODY SZ 10 +5	1100-20-300	GLOBAL UNITE COLLAR SZ 48
1100-40-100	GLOBAL UNITE BODY SZ 12 -5	1100-20-400	GLOBAL UNITE COLLAR SZ 52
1100-40-110	GLOBAL UNITE BODY SZ 12 0	1100-20-500	GLOBAL UNITE COLLAR SZ 56
1100-40-120	GLOBAL UNITE BODY SZ 12 +5	1100-20-110	GLOBAL UNITE COLLAR SZ 40 ECC
1100-50-100	GLOBAL UNITE BODY SZ 14 -5	1100-20-210	GLOBAL UNITE COLLAR SZ 44 ECC
1100-50-110	GLOBAL UNITE BODY SZ 14 0	1100-20-310	GLOBAL UNITE COLLAR SZ 48 ECC
1100-50-120	GLOBAL UNITE BODY SZ 14 +5	1100-20-410	GLOBAL UNITE COLLAR SZ 52 ECC
1100-60-100	GLOBAL UNITE BODY SZ 16 -5	1100-20-510	GLOBAL UNITE COLLAR SZ 56 ECC
1100-60-110	GLOBAL UNITE BODY SZ 16 0	1100-20-000	GLOBAL UNITE ANT BODY 135 SZ 6/8
1100-60-120	GLOBAL UNITE BODY SZ 16 +5	1100-20-010	GLOBAL UNITE ANT BODY 128 SZ 6/8
1100-40-500	GLOBAL UNITE HEAD 40X15 STD	1100-20-020	GLOBAL UNITE ANT BODY 142 SZ 6/8
1100-40-510	GLOBAL UNITE HEAD 40X18 STD	1100-30-000	GLOBAL UNITE ANT BODY 135 SZ 10
1100-40-530	GLOBAL UNITE HEAD 40X12 STD	1100-30-010	GLOBAL UNITE ANT BODY 128 SZ 10
1100-44-500	GLOBAL UNITE HEAD 44X15 STD	1100-30-020	GLOBAL UNITE ANT BODY 142 SZ 10
1100-44-510	GLOBAL UNITE HEAD 44X18 STD	1100-40-000	GLOBAL UNITE ANT BODY 135 SZ 12
1100-44-520	GLOBAL UNITE HEAD 44X21 STD	1100-40-010	GLOBAL UNITE ANT BODY 128 SZ 12
1100-44-530	GLOBAL UNITE HEAD 44X12 STD	1100-40-020	GLOBAL UNITE ANT BODY 142 SZ 12
1100-48-500	GLOBAL UNITE HEAD 48X15 STD	1100-50-000	GLOBAL UNITE ANT BODY 135 SZ 14
1100-48-510	GLOBAL UNITE HEAD 48X18 STD	1100-50-010	GLOBAL UNITE ANT BODY 128 SZ 14
1100-48-520	GLOBAL UNITE HEAD 48X21 STD	1100-50-020	GLOBAL UNITE ANT BODY 142 SZ 14
1100-52-500	GLOBAL UNITE HEAD 52X15 STD	1100-60-000	GLOBAL UNITE ANT BODY 135 SZ 16
1100-52-510	GLOBAL UNITE HEAD 52X18 STD	1100-60-010	GLOBAL UNITE ANT BODY 128 SZ 16
1100-52-520	GLOBAL UNITE HEAD 52X21 STD	1100-60-020	GLOBAL UNITE ANT BODY 142 SZ 16
1100-56-510	GLOBAL UNITE HEAD 56X18 STD	1407-20-101	GLOBAL UNITE FX RSA EPI 1
1100-56-520	GLOBAL UNITE HEAD 56X21 STD	1407-20-102	GLOBAL UNITE FX RSA EPI SZ1 L
1100-40-600	GLOBAL UNITE HEAD 40X15 ECC	1407-20-103	GLOBAL UNITE FX RSA EPI SZ1 R
1100-40-610	GLOBAL UNITE HEAD 40X18 ECC		
1100-44-600	GLOBAL UNITE HEAD 44X15 ECC		

DELTA XTEND™ REVERSE SHOULDER SYSTEM

		1307-30-009	Humeral spacer +9mm
1307-08-100	Monobloc Humeral Epiphysis, Cemented, Size 1, Ø 8mm, Standard	1307-38-003	Humeral PE Cup, High Mobility, Ø 38mm +3mm
1307-10-100	Monobloc Humeral Epiphysis, Cemented, Size 1, Ø 10mm, Standard	1307-38-006	Humeral PE Cup, High Mobility, Ø 38mm +6mm
1307-12-100	Monobloc Humeral Epiphysis, Cemented, Size 1, Ø 12mm, Standard	1307-38-009	Humeral PE Cup, High Mobility, Ø 38mm +9mm
1307-14-100	Monobloc Humeral Epiphysis, Cemented, Size 1, Ø 14mm, Standard	1307-42-003	Humeral PE Cup, High Mobility, Ø 42mm +3mm
1307-10-200	Monobloc Humeral Epiphysis, Cemented, Size 2, Ø 10mm, Standard	1307-42-006	Humeral PE Cup, High Mobility, Ø 42mm +6mm
1307-12-200	Monobloc Humeral Epiphysis, Cemented, Size 2, Ø 12mm, Standard	1307-42-009	Humeral PE Cup, High Mobility, Ø 42mm +9mm
1307-14-200	Monobloc Humeral Epiphysis, Cemented, Size 2, Ø 14mm, Standard	1307-38-203	Humeral PE Cup, Standard, Ø 38mm +3mm
1307-08-110	Monobloc Humeral Epiphysis, Cemented, Size 1, Ø 8mm, Long	1307-38-206	Humeral PE Cup, Standard, Ø 38mm +6mm
1307-10-110	Monobloc Humeral Epiphysis, Cemented, Size 1, Ø 10mm, Long	1307-38-209	Humeral PE Cup, Standard, Ø 38mm +9mm
1307-12-110	Monobloc Humeral Epiphysis, Cemented, Size 1, Ø 12mm, Long	1307-42-203	Humeral PE Cup, Standard, Ø 42mm +3mm
1307-14-110	Monobloc Humeral Epiphysis, Cemented, Size 1, Ø 14mm, Long	1307-42-206	Humeral PE Cup, Standard, Ø 42mm +6mm
1307-10-210	Monobloc Humeral Epiphysis, Cemented, Size 2, Ø 10mm, Long	1307-42-209	Humeral PE Cup, Standard, Ø 42mm +9mm
1307-12-210	Monobloc Humeral Epiphysis, Cemented, Size 2, Ø 12mm, Long	1307-38-106	Humeral PE Cup, Retentive, Ø 38mm +6mm
1307-14-210	Monobloc Humeral Epiphysis, Cemented, Size 2, Ø 14mm, Long	1307-42-106	Humeral PE Cup, Retentive, Ø 42mm +6mm
1307-10-000	Modular Humeral Stem, Ø 10mm, HA coated	1307-48-021	CTA Head Ø 48mm x21mm
1307-12-000	Modular Humeral Stem, Ø 12mm, HA coated	1307-48-026	CTA Head Ø 48mm x26mm
1307-14-000	Modular Humeral Stem, Ø 14mm, HA coated	1307-52-021	CTA Head Ø 52mm x21mm
1307-16-000	Modular Humeral Stem, Ø 16mm, HA coated	1307-52-026	CTA Head Ø 52mm x26mm
1307-20-101	Modular Centred Epiphysis, Size 1, HA coated	1307-60-038	Glenosphere, Eccentric, Ø 38mm
1307-20-102	Modular Eccentric Epiphysis, Size 1 Left, HA coated	1307-60-042	Glenosphere, Eccentric, Ø 42mm
1307-20-103	Modular Eccentric Epiphysis, Size 1 Right, HA coated	1307-60-138	Glenosphere, Standard, Ø 38mm
1307-20-201	Modular Centred Epiphysis, Size 2, HA coated	1307-60-142	Glenosphere, Standard, Ø 42mm
1307-20-202	Modular Eccentric Epiphysis, Size 2 Left, HA coated	1307-61-138	Standard Glenosphere 38mm +0
1307-20-203	Modular Eccentric Epiphysis, Size 2 Right, HA coated	1307-62-138	Standard Glenosphere 38mm +2
		1307-64-138	Standard Glenosphere 38mm +4
		1307-66-138	Standard Glenosphere 38mm +6
		1307-68-138	Standard Glenosphere 38mm +8
		1307-61-142	Standard Glenosphere 42mm +0
		1307-62-142	Standard Glenosphere 42mm +2
		1307-64-142	Standard Glenosphere 42mm +4
		1307-66-142	Standard Glenosphere 42mm +6
		1307-68-142	Standard Glenosphere 42mm +8

1307-61-038	Eccentric Glenosphere 38mm +0	140742209	Hybrid humeral cup - Epiphysis 36 - \varnothing 42 +9 mm
1307-62-038	Eccentric Glenosphere 38mm +2	4CHL336	Lateralised humeral cup - \varnothing 36 +3 mm
1307-64-038	Eccentric Glenosphere 38mm +4	4CHL342	Lateralised humeral cup - \varnothing 42 +3 mm
1307-66-038	Eccentric Glenosphere 38mm +6	4CHL636	Lateralised humeral cup - \varnothing 36 +6 mm
1307-68-038	Eccentric Glenosphere 38mm +8	4CHL636R	Lateralised Retentive humeral cup - \varnothing 36 +6 mm
1307-61-042	Eccentric Glenosphere 42mm +0	4CHL642	Lateralised humeral cup - \varnothing 42 +6 mm
1307-62-042	Eccentric Glenosphere 42mm +2	4CHL642R	Lateralised Retentive humeral cup - \varnothing 42 +6 mm
1307-64-042	Eccentric Glenosphere 42mm +4	4CHL936	Lateralised humeral cup - \varnothing 36 +9 mm
1307-66-042	Eccentric Glenosphere 42mm +6	4CHL942	Lateralised humeral cup - \varnothing 42 +9 mm
1307-68-042	Eccentric Glenosphere 42mm +8	GSC242	Glenosphere - \varnothing 42 mm
1307-60-000	Metaglène, HA Coated	RTH236	Humeral Lengthener - \varnothing 36 +9 mm
1407-60-010	Metaglène +10mm, HA Coated	RTH242	Humeral Lengthener - \varnothing 42 + 9 mm
1407-60-015	Metaglène +15mm, HA Coated	TIH036	Humeral head - \varnothing 36 +0 mm
1307-70-018	Non Locking Metaglène Screw \varnothing 4.5mm x 18mm	TIH042	Humeral head - \varnothing 42 +0 mm
1307-70-024	Non Locking Metaglène Screw \varnothing 4.5mm x 24mm	TIH436	Humeral head - \varnothing 36 +4 mm
1307-70-030	Non Locking Metaglène Screw \varnothing 4.5mm x 30mm	TIH442	Humeral head - \varnothing 42 +4 mm
1307-70-036	Non Locking Metaglène Screw \varnothing 4.5mm x 36mm		
1307-70-042	Non Locking Metaglène Screw \varnothing 4.5mm x 42mm	GLOBAL™ APG GLENOID	
1307-90-024	Locking Metaglène Screw \varnothing 4.5mm x 24mm	1136-40-026	CrossLink Anchor Peg Glenoid 40
1307-90-030	Locking Metaglène Screw \varnothing 4.5mm x 30mm	1136-41-026	Crosslink Anchor Peg Glenoid 44
1307-90-036	Locking Metaglène Screw \varnothing 4.5mm x 36mm	1136-42-026	Crosslink Anchor Peg Glenoid 48
1307-90-042	Locking Metaglène Screw \varnothing 4.5mm x 42mm	1136-43-026	Crosslink Anchor Peg Glenoid 52
1307-90-048	Locking Metaglène Screw \varnothing 4.5mm x 48mm	1136-44-026	Crosslink Anchor Peg Glenoid 56
		1137-06-000	GLOBAL ADVANTAGE STEM 6 MM
		1137-08-000	GLOBAL ADVANTAGE STEM 8 MM
		1137-08-010	GLOBAL ADVANTAGE STEM 8 LONG
		1137-10-000	GLOBAL ADVANTAGE STEM 10 MM
		1137-10-010	GLOBAL ADVANTAGE STEM 10 LONG
		1137-12-000	GLOBAL ADVANTAGE STEM 12 MM
		1137-12-010	GLOBAL ADVANTAGE STEM 12 LONG
		1137-14-000	GLOBAL ADVANTAGE STEM 14 MM
		1137-14-010	GLOBAL ADVANTAGE STEM 14 LONG
		1137-16-000	GLOBAL ADVANTAGE STEM 16 MM
		GLOBAL ADVANTAGE® SHOULDER SYSTEM	
		1137-06-050	GLOBAL ADVANTAGE PC STEM 6MM
		1137-08-050	GLOBAL ADVANTAGE PC STEM 8MM
		1137-10-050	GLOBAL ADVANTAGE PC STEM 10MM
		1137-12-050	GLOBAL ADVANTAGE PC STEM 12MM
		1137-14-050	GLOBAL ADVANTAGE PC STEM 14MM
		1137-16-050	GLOBAL ADVANTAGE PC STEM 16MM
DELTA CTA™ REVERSE SHOULDER SYSTEM			
140738203	Hybrid humeral cup - Epiphysis 36 - \varnothing 38 +3 mm		
140738206	Hybrid humeral cup - Epiphysis 36 - \varnothing 38 +6 mm		
140738209	Hybrid humeral cup - Epiphysis 36 - \varnothing 38 +9 mm		
140738106	Hybrid Retentive humeral cup - Epiphysis 36 - \varnothing 38 +6 mm		
140742203	Hybrid humeral cup - Epiphysis 36 - \varnothing 42 +3 mm		
140742206	Hybrid humeral cup - Epiphysis 36 - \varnothing 42 +6 mm		

GLOBAL® STEPTECH® APG GLENOID

1130-40-003	STEPTECH APG 40+3MM RIGHT
1130-40-005	STEPTECH APG 40+5MM RIGHT
1130-40-007	STEPTECH APG 40+7MM RIGHT
1130-40-103	STEPTECH APG 40+3MM LEFT
1130-40-105	STEPTECH APG 40+5MM LEFT
1130-40-107	STEPTECH APG 40+7MM LEFT
1130-44-003	STEPTECH APG 44+3MM RIGHT
1130-44-005	STEPTECH APG 44+5MM RIGHT
1130-44-007	STEPTECH APG 44+7MM RIGHT
1130-44-103	STEPTECH APG 44+3MM LEFT
1130-44-105	STEPTECH APG 44+5MM LEFT
1130-44-107	STEPTECH APG 44+7MM LEFT
1130-48-003	STEPTECH APG 48+3MM RIGHT
1130-48-005	STEPTECH APG 48+5MM RIGHT
1130-48-007	STEPTECH APG 48+7MM RIGHT
1130-48-103	STEPTECH APG 48+3MM LEFT
1130-48-105	STEPTECH APG 48+5MM LEFT
1130-48-107	STEPTECH APG 48+7MM LEFT
1130-52-003	STEPTECH APG 52+3MM RIGHT
1130-52-005	STEPTECH APG 52+5MM RIGHT
1130-52-007	STEPTECH APG 52+7MM RIGHT
1130-52-103	STEPTECH APG 52+3MM LEFT
1130-52-105	STEPTECH APG 52+5MM LEFT
1130-52-107	STEPTECH APG 52+7MM LEFT
1130-56-003	STEPTECH APG 56+3MM RIGHT
1130-56-005	STEPTECH APG 56+5MM RIGHT
1130-56-007	STEPTECH APG 56+7MM RIGHT
1130-56-103	STEPTECH APG 56+3MM LEFT
1130-56-105	STEPTECH APG 56+5MM LEFT
1130-56-107	STEPTECH APG 56+7MM LEFT

GLOBAL® CAP SHOULDER SYSTEM

1230-40-005	GLOBAL CAP 40MM D.O.C., 15MM H.H.
1230-40-015	GLOBAL CAP 40MM D.O.C., 18MM H.H.
1230-44-005	GLOBAL CAP 44MM D.O.C., 15MM H.H.
1230-44-015	GLOBAL CAP 44MM D.O.C., 18MM H.H.
1230-48-015	GLOBAL CAP 48MM D.O.C., 18MM H.H.

1230-48-025	GLOBAL CAP 48MM D.O.C., 21MM H.H.
1230-52-015	GLOBAL CAP 52MM D.O.C., 18MM H.H.
1230-52-025	GLOBAL CAP 52MM D.O.C., 21MM H.H.
1230-56-015	GLOBAL CAP 56MM D.O.C., 18MM H.H.
1230-56-025	GLOBAL CAP 56MM D.O.C., 21MM H.H.
1235-40-005	GLOBAL CAP CTA DUOFIX 40X15
1235-40-015	GLOBAL CAP CTADUOFIX 40X18
1235-44-005	GLOBAL CAP CTA DUOFIX 44X15
1235-44-015	GLOBAL CAP CTA DUOFIX 44X18
1235-48-015	GLOBAL CAP CTA DUOFIX 48X18
1235-48-025	GLOBAL CAP CTA DUOFIX 48X21
1235-52-015	GLOBAL CAP CTA DUOFIX 52X18
1235-52-025	GLOBAL CAP CTA DUOFIX 52X21
1235-56-015	GLOBAL CAP CTA DUOFIX 56X18
1235-56-025	GLOBAL CAP CTA DUOFIX 56X21

GLOBAL ICON™ STEMLESS SHOULDER SYSTEM

1140-10-040	GLOBAL ICON ANCHOR PLATE SZ40
1140-10-042	GLOBAL ICON ANCHOR PLATE SZ42
1140-10-044	GLOBAL ICON ANCHOR PLATE SZ44
1140-10-046	GLOBAL ICON ANCHOR PLATE SZ46
1140-10-048	GLOBAL ICON ANCHOR PLATE SZ48
1140-10-050	GLOBAL ICON ANCHOR PLATE SZ50
1140-10-052	GLOBAL ICON ANCHOR PLATE SZ52
1140-10-054	GLOBAL ICON ANCHOR PLATE SZ54
1140-10-056	GLOBAL ICON ANCHOR PLATE SZ56
1140-20-040	GLOBAL ICON HUMERAL HEAD SIZE 40
1140-20-042	GLOBAL ICON HUMERAL HEAD SIZE 42
1140-20-044	GLOBAL ICON HUMERAL HEAD SIZE 44
1140-20-046	GLOBAL ICON HUMERAL HEAD SIZE 46
1140-20-048	GLOBAL ICON HUMERAL HEAD SIZE 48
1140-20-050	GLOBAL ICON HUMERAL HEAD SIZE 50
1140-20-052	GLOBAL ICON HUMERAL HEAD SIZE 52
1140-20-054	GLOBAL ICON HUMERAL HEAD SIZE 54
1140-20-056	GLOBAL ICON HUMERAL HEAD SIZE 56
1140-20-340	GLOBAL ICON HUMERAL HEAD SZ40 +3
1140-20-342	GLOBAL ICON HUMERAL HEAD SZ42 +3
1140-20-344	GLOBAL ICON HUMERAL HEAD SZ44 +3
1140-20-346	GLOBAL ICON HUMERAL HEAD SZ46 +3

1140-20-348	GLOBAL ICON HUMERAL HEAD SZ48 +3
1140-20-350	GLOBAL ICON HUMERAL HEAD SZ50 +3
1140-20-352	GLOBAL ICON HUMERAL HEAD SZ52 +3
1140-20-354	GLOBAL ICON HUMERAL HEAD SZ54 +3
1140-20-356	GLOBAL ICON HUMERAL HEAD SZ56 +3

GLOBAL® FX SHOULDER SYSTEM

1128-06-000	GLOBAL FX STEM 6MM
1128-06-010	GLOBAL FX STEM 6MM LONG
1128-08-000	GLOBAL FX STEM 8MM
1128-08-010	GLOBAL FX STEM 8MM LONG
1128-10-000	GLOBAL FX STEM 10MM
1128-10-010	GLOBAL FX STEM 10MM LONG
1128-12-000	GLOBAL FX STEM 12MM
1128-12-010	GLOBAL FX STEM 12MM LONG
1128-06-050	GLOBAL FX PC STEM 6MM
1128-08-050	GLOBAL FX PC STEM 8MM
1128-10-050	GLOBAL FX PC STEM 10MM
1128-12-050	GLOBAL FX PC STEM 12MM

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